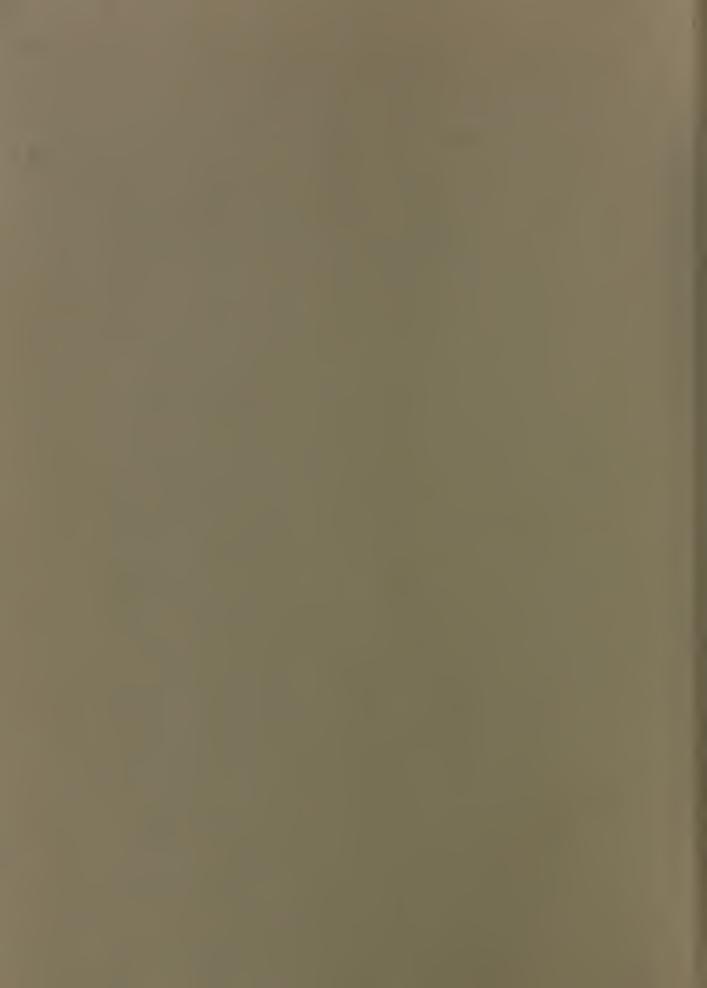


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State of California THE RESOURCES AGENCY

partment of Water Resources

BULLETIN No. 94-14

LAND AND WATER USE IN AMERICAN RIVER HYDROGRAPHIC UNIT

Volume 1: Text

Preliminary Edition

OCTOBER 1964

HUGO FISHER

Administrator
The Resources Agency

EDMUND G. BROWN
Governor
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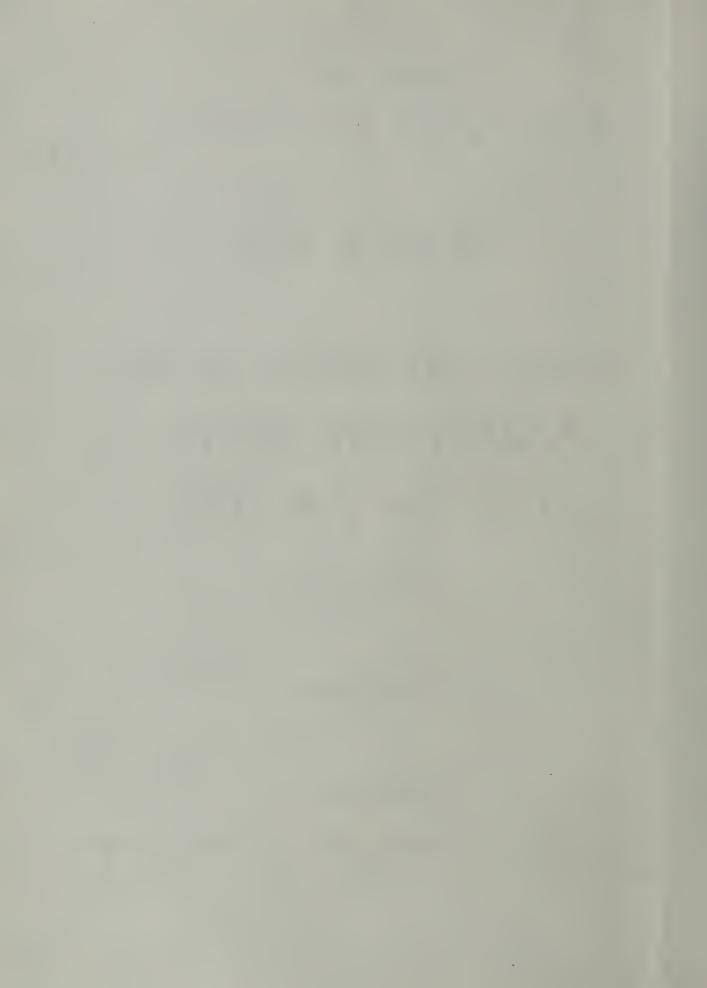
EDMUND G. BROWN
Governor
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Director

Department of Water Resources

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FOREWORD

In 1956, the State Legislature declared:

"... that in providing for the full development and utilization of the water resources of this State it is necessary to obtain for consideration by the Legislature and the people, information as to the water which can be made available for exportation from the watersheds in which it originates without depriving those watersheds of water necessary for beneficial use therein ..."

The Department of Water Resources was directed to conduct the necessary investigations to compile this information.

For purposes of these studies, the major drainage areas of the State were delineated. Division of these drainage areas into subareas, designated hydrographic units, was then made. The hydrographic units, which generally comprise watersheds of individual rivers, serve as the basic unit for collection and reporting of data.

The investigation is being conducted in two phases: (1) collection and publication of data on land and water use, and (2) determination and reporting of water resources and future water requirements. Collection and processing of basic data for both phases, by hydrographic units, is underway in much of the State.

The land and water use and land classification data are being published as the Bulletin No. 94 series, covering individual hydrographic units. These bulletins are distributed in preliminary editions and reviewed at public hearings. Final editions are then published including summaries of the hearings and resulting revisions. These bulletins are an essential source of data for the subsequent water requirements studies, and when complete, will provide detailed data for the entire State.

This report is the fourteenth of the series and is the preliminary edition of Bulletin No. 94-14 preceding public hearings to be held in the American River area in 1965.

The second phase of the investigation begins with an inventory of water resources in each drainage area, including streamflows, ground water, and water quality characteristics. Estimates of future water requirements, based on the land and water use studies and projections of foreseeable future development, are now underway in some areas. Results of these

water resources and water requirements studies will be published as Bulletin No. 142 series, each covering some or all of the hydrographic units within a drainage area.

These water resources and future water requirements bulletins will provide the basis for outlining the additional projects needed to meet the State's growing water needs. By interrelating the projected water requirements of all areas of the State with the available local supplies, by decades, a recommended sequence and timing for the State's future water development plans will be established. Besides thus forming the chief basis for the Department of Water Resources' all-important project staging program, the data on water resources and water requirements will be a most valuable guide for water development planning by federal and local, as well as state agencies.

TABLE OF CONTENTS

		Page
FOREWORD		iii
LETTER OF TRANSMITTAL		xi
ORGANIZATION, DEPARTMENT OF WATER RESOURCES		xii
ORGANIZATION, CALIFORNIA WATER COMMISSION		xiii
ACKNOWLEDGMENT		xiv
CHAPTER I. INTRODUCTION		. 1
Organization of Report		. 2
General Description of Area		3
Location and Extent		3
Historical and Present Development		5
Natural Features		. 16
Climate		. 19
Water Resources		23
Local Agencies Concerned with Water Development		23
CHAPTER II. WATER USE	• •	. 29
Present Water Use		. 29
Water Rights		31
Surface Water Diversions		32
Numbering System for Surface Water Diversions .		35
Descriptions of Surface Water Diversions		35
Records of Surface Water Diversions		37
Index to Surface Water Diversions		. 39

	<u>Pa</u>	ige
I	oorts and Exports	40
	Imports	40
	Exports	41
C	sumptive Use	42
	CHAPTER III. LAND USE	91
H	storical Land Use	91
	esent Land Use	91
	Methods and Procedures	92
	Irrigated Lands	94
	Naturally High Water Table Lands	94
	Dry-farmed Lands	95
	Urban Lands	95
	Recreation Lands	96
	Native Vegetation	97
	CHAPTER IV. LAND CLASSIFICATION	105
М	thods and Procedures	106
		106
		106
		108
		109
		109
		117
		117
		119
L	nd Classification	119

TABLES

Table N	<u>vo</u> .	Page
1	Areas of Subunits in American River Hydrographic Unit	8
2	Mean Annual Precipitation at Selected Stations in or near American River Hydrographic Unit.	22
3	Summary of Temperature Data at Selected Stations in or near American River Hydrographic Unit	22
4	Recorded Runoff at Selected Stations in or near American River Hydrographic Unit	27
5	Stream Gaging Stations in or near American River Hydrographic Unit	28
6	Descriptions of Surface Water Diversions in American River Hydrographic Unit	44
7	Monthly Records of Surface Water Diversions in American River Hydrographic Unit, 1960	71
8	Monthly Records of Imports and Exports, American River Hydrographic Unit, 1960	77
9	Index to Surface Water Diversions, American River Hydrographic Unit	78
10	Land Use in American River Hydrographic Unit, 1960	98
11	Irrigated Lands in American River Hydrographic Unit, 1960	99
12	Classification of Lands in American River Hydrographic Unit	111
13	Land Classification Standards	112

ILLUSTRATIONS

	Page
Folsom Dam and Reservoir	. 4
Recreation at Folsom Reservoir	. 4
Camping	. 13
Fishing	. 13
Ice House Reservoir	. 15
American River Flume	. 15
Silver Creek Canyon	. 17
High Sierras	. 17
Old Loon Lake Dam	. 21
Snow Surveyors	. 21
New Loon Lake Dam	. 26
Union Valley Dam Under Construction	. 26
Spill from South Canal	• 34
Towle Canal Diversion Structure	. 34
Recorder on Diamond Ditch	. 38
Diversion Dam	. 38
Example of Land Use Delineated on Aerial Photograph .	. 93
Example of Land Classification Delineated on Aerial Photograph	. 107
FIGURES	
Figure No.	
1 1960 Land Use	. 121
2 Classification of Lands	. 121

APPENDIXES

Appendix		Page
A	Statewide Water Resources and Water Requirements Program	A-1
В	Reports on Related Investigations and Other References	B-1
С	Legal Considerations	C-1
D	Detailed Descriptions of Certain Surface Water Diversions	D-1
E	Present Development of Projects Under Construction by Other Agencies	E-1

PLATES

Volume I Location of Unit Volume II Location of Unit Land and Water Use Classification of Lands



DEPARTMENT OF WATER RESOURCES

.O. BOX 388



August 12, 1964

Honorable Edmund G. Brown, Governor and Members of the Legislature of the State of California

Gentlemen:

I have the honor to transmit preliminary report Bulletin No. 94-14, entitled "Land and Water Use in American River Hydrographic Unit," the fourteenth of a series of reports of the Department of Water Resources, which present detailed basic data of land classification and use, water use and apparent water rights within certain hydrographic units of the State. The bulletins also include detailed maps depicting land classification and present land use, and discuss history, natural features, climate, and economy of the units. These studies are conducted pursuant to legislation sponsored by Senator Edwin J. Regan and codified under Section 232 of the Water Code.

The information contained in this series of reports will provide a basis for future estimates of the amount of water which can be used beneficially within each area. From these estimates, the amount of surplus or deficiency in each area will be determined. The completed series will provide invaluable reference material for relating our water resources to areas of use.

All public and private agencies, local interests, and individuals who may be concerned with the information presented herein are invited to submit their comments. A public hearing will be held after due notice to receive comments which will be considered in preparing the final report.

Sincerely yours,

B. Q. Goleberg

Acting Director

State of California The Resources Agency Department of Water Resources

EDMUND G. BROWN, Governor of California
HUGO FISHER, Administrator, The Resources Agency
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Carl A. Werner Branch Chief M. Guy Fairchild Chief, Planning Section

The investigation leading to this report was conducted under the general direction of

James L. Welsh Senior Engineer, Water Resources

Assisted by

Statewide aspects of the Water Resources and Water Requirements Program are coordinated under the direction of the Division of Resources Planning

William L. Berry Division Engineer Meyer Kramsky Chief, Statewide Investigations Branch Ralph G. Allison . Acting Chief, Planning Investigations Section

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ACKNOWLEDGMENT

The Department of Water Resources gratefully acknowledges the contribution of information by the numerous water users and residents of the American River Hydrographic Unit and by agencies of the federal, state, and local governments.

Special mention is made of the helpful cooperation of the Forest Service, United States Department of Agriculture; Placer County Water Agency; Pacific Gas and Electric Company; Sacramento Municipal Utility District; El Dorado Irrigation District; Foresthill Public Utility District; Georgetown Divide Public Utility District; and the Farm Advisors of El Dorado and Placer Counties.

CHAPTER I. INTRODUCTION

This bulletin presents basic data on land and water use in the American River Hydrographic Unit. These data cover present land and water use, classification of lands, systems used to divert surface waters, histories of diversions, apparent water right pertinent to each diversion, purpose and extent of use of diversion, seasonal quantities of water diverted during 1960 and an estimate of present consumptive use of water in the unit. A general description and brief history of the area are also included.

These basic data were gathered during the period 1959-62 in compliance with Chapter 61, Statutes of 1956, as amended by Chapter 2025, Statutes of 1959, and codified in Section 232 of the Water Code of the State of California. This legislation provides for an inventory of water resources and water requirements of the State. This is the fourteenth in a series of bulletins being prepared under this authorization. The text of Section 232, with a discussion of its history and implications, is included in this bulletin as Appendix A.

These data provide the basis for future determination of the quantities of water reasonably required for future beneficial use in the American River Hydrographic Unit. Estimates of these quantities have been made and presented in State Water Resources Board Bulletin No. 2, "Water Utilization and Requirements of California," June 1955. Final

determinations of future water requirements will be based on estimates of: (1) future land use, (2) economic patterns, (3) population, (4) industrial and agricultural development, and (5) recreational needs.

Organization of Report

appendixes and three plates. Chapter I contains a general description of the American River Hydrographic Unit.

Chapter II presents data on present uses of water and includes information pertaining to surface water diversion systems, water rights, quantities of water diverted, and consumptive use. Chapter III includes a history of land use within the unit and a tabulation of present land use.

Chapter IV includes an explanation of land classification criteria and a tabulation of lands classified with regard to their potential for irrigated agriculture and for recreational purposes. Chapter V summarizes the data presented in the bulletin.

Appendix A presents the text of Section 232 of the California Water Code and a discussion of the pertinent responsibilities and work program of the Department of Water Resources. Appendix B lists related investigations and other references pertinent to the American River Hydrographic Unit. Appendix C, "Legal Considerations," presents a short summary of California Water Law, a review of litigation involving water rights in the American River Hydrographic Unit and a tabulation of applications to appropriate water in the unit.

Appendix D, "Detailed Descriptions of Certain Surface Water Diversions," presents details of diversion systems which could not be adequately described in tables contained in Chapter II. The diversions are arranged alphabetically by owner or operating entity. Appendix E presents descriptions of facilities recently completed and under construction by other agencies.

Plate 1 shows the location of the hydrographic units north of the Tehachapi Mountains and the present status of the land and water use investigations leading to the publishing of the Bulletin No. 94 series of reports. The location of the subunits within the American River Hydrographic Unit is also shown. Areas of present land uses and the location of diversion systems are shown on Plate 2. The classification of lands is shown on Plate 3.

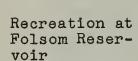
General Description of Area

Location and Extent

The American River Hydrographic Unit, shown on Plate 1, "Location of Unit," is situated within the Sacramento River Basin on the western slopes of the Sierra Nevada Range. The hydrographic unit comprises that part of the American River Basin above Folsom Dam. The unit is roughly 50 miles in width at the crest of the Sierras, narrowing to about 3 miles in width at Folsom Dam, and is approximately 60 miles in length. It contains 1,863 square miles of drainage area. The major area is in El Dorado and Placer Counties, with the small remaining area in Alpine, Amador, Nevada, and Sacramento Counties.



Folsom Dam and Reservoir





The hydrographic unit is bounded on the west by

Folsom Dam and the watersheds of minor streams tributary to

the Sacramento River; on the northwest and north by the Yuba

and Bear Rivers; on the east by the Truckee River and streams

tributary to Lake Tahoe; on the southeast by the Carson River;

and on the south by the Cosumnes and Mokelumne Rivers.

For purposes of this report, the American River Hydrographic Unit has been divided into 11 subunits as shown on Plate 1, "Location of Unit." The area of each subunit is shown in Table 1.

Historical and Present Development

The early development of the American River Hydrographic Unit came as a result of individuals seeking profit from the abundance of natural resources of the area.

In 1828, while opening the coast route to Oregon,

Jedediah Smith and other trappers of the American Fur Company,

are reported to have traversed the lower edge of the unit and

found gold. An expedition sent by the fur company to develop

the gold was massacred by Indians. In 1844, John C. Fremont

passed through the American River Hydrographic Unit while on

a government surveying party.

John Marshall's historic discovery of gold near Coloma in January 1848, triggered the start of rapid development within the hydrographic unit. In 1849 and the early 1850's, thousands of miners and prospectors responded to the call of gold. It is estimated that about 50,000 persons migrated into the American River area during the early years

of the gold rush. The population of El Dorado County jumped from virtually zero to over 20,000 persons in 1850.

Much of the mining in the unit took place in the Iowa Hill, Volcanoville, Yankee Jim, Dutch Flat, and Foresthill areas of Placer County and the Georgetown, Kelsey, and Placerville areas of El Dorado County. During these early years, the miners worked the available surface deposits individually. These easy-to-obtain shallow river gravels soon became exhausted, and it was necessary to wash larger and larger amounts of gravel for profitable operation. Other mining methods were developed and tried. Among these were the miner's cradle and sluice box. Later ground-sluicing methods were used, and finally hydraulic mining was developed. Each of the new methods required increasingly larger amounts of water.

Hydraulic mining was developed in the Nevada City area by Edward E. Mattison in 1853. He found that by using a hose and nozzle, a stream of water under pressure could be used to undermine and wash the gravel into sluice boxes. This was a great improvement over earlier methods and led to the construction of many small dams, reservoirs and canals to supply the water and pressure. One of the first organized groups to develop water was the Rock Creek Water Company, a predecessor of the present day Georgetown Divide Public Utility District. Other agencies and groups of individuals soon followed suit.

Hydraulicking, though a boon to gold mining, proved to be a detriment to agriculture and a hazard to river

caused the low-water plain at Sacramento to raise 5 feet or more by 1879. This resulted in more frequent flooding of the adjacent agricultural lands. The damage caused, not only at Sacramento, but in all the lowlands, resulted in a Federal Court injunction in 1884. This court decision, handed down by Judge Lorenzo Sawyer, prohibited all hydraulic mining in areas tributary to the Sacramento River except that done behind a retaining wall or dam. The increased cost of operation required to comply with this injunction and a static price for gold resulted in an almost complete cessation of hydraulic mining. In 1893 the United States Congress, through the Caminetti Act and its amendments, created the California Debris Commission to study practical methods whereby hydraulic mining could be resumed. Although the commission was not successful in restoring hydraulic mining to its former predominate position in the local economy, it still licenses hydraulic mining operations and requires that they be carried on behind debris control dams. The commission constructed one debris control structure in this unit, the North Fork Dam on the North Fork American River. Following the Sawyer decision of 1884, gold mining

navigation. The discharge of mining debris to the streams

Following the Sawyer decision of 1884, gold mining declined and mineral output remained relatively low in the unit until the depression of the 1930's. The high price of gold guaranteed by the federal government during the depression caused a revival of gold mining activity. With the stabilization of the price of gold in 1933, gold mining again declined. About \$10,000 in gold was mined in El Dorado County in 1959.

TABLE 1

AMERICAN RIVER HYDROGRAPHIC UNIT (in acres)

98												
rea square miles	55	253	95	154	205	96	101	τήτ	315	177	271	1,863
Total Area acres : squ	34,997	162,299	60,627	98,643	130,985	61,344	64,472	90,251	202,054	113,357	173,340	1,192,369
Sacramento: County:	0	0	1,324	0	0	0	0	0	0	0	0	1,324
Placer: County:	34,699	0	12,350	86,643	130,327	24,689	0	171,06	107,271	0	0	051,864
Nevada: County:	298	0	0	0	0	0	0	80	0	0		378
Alpine: Amador: El Dorado: County: County: :	0	162,299	46,953	0	658	36,655	64,472	0	94,783	113,357	150,222	666,399
Alpine: Amador:E	0	0	0	0	0	0	0	0	0	0	10,537	10,537
Alpine: County:	0	0	0	0	0	0	0	0	0	0	12,581	12,581
Subunit	Blue Canyon	Coloma	Folsom	Foresthill	French Meadows	Greenwood	Placerville	Royal Gorge	Rubicon River	Silver Creek	Silver Lake	TOTAL

Although in the past gold has received most of the attention in the American River Hydrographic Unit, otherminerals and mineral products have had a substantial impact upon the economy of the unit. The more important of these are: limestone, slate, sand, gravel, and crushed stone. In addition, copper, clay, asbestos, and chromite have been mined within the unit. Small amounts of both coal and iron were mined in the late 1880's. The post World War II building boom gave rise to an increase in the production of such commodities as limestone, shale, and crushed stone used extensively in the building trades. In 1959 crushed stone accounted for over 66 percent of the total value of El Dorado County's mineral production.

Agricultural development closely followed the discovery of gold, spurred by the attendant need to supply the demands of the mining population. In 1849 and 1850 the first planting of potatoes and other vegetables in large patches was attempted in the vicinity of Union Bar and Coloma. In 1851 the first attempt at raising grain was made by William Crone who planted barley in Greenwood Valley. Fruit trees, first planted in the Coloma area, were also cultivated at Gold Hill, Pilot Hill, and near Placerville.

From 1850 to 1870, as mining activity declined, substantial acreages were cultivated within the small valleys in the lower elevations of the unit. Many of these areas were irrigated using the ditches previously built for mining purposes. As early as 1855 more than 8,000 acres of land had been fenced, with nearly 5,000 acres under cultivation in

El Dorado and Placer Counties. Of the cultivated acreage about 3,000 acres were planted to wheat, barley, oats, and hay. In the late 1880's orchardists began to utilize the still existing mining ditches for irrigation, and by 1920 pears had become the predominant crop with an estimated acreage of 5,000 acres.

In the American River Basin, lumbering is the principal industry, with large stands of timber found at altitudes above 3,000 feet. Ponderosa pine is the predominate species below 6,000 feet. Sugar pine, white fir, Douglas fir, and incense cedar occupy smaller but profitable stands between the 2,000- and 6,000-foot elevations. Above 6,000 feet the principal species are red and white firs.

Timber production in the unit first began in conjunction with mining operations. During the first years of the gold rush, timber was used mainly for buildings and for fuel. With improvements in mining techniques, timber was also utilized for rockers, troughs, shoring timbers, and flumes. With the discovery of silver and gold in Nevada, lumber from the upper reaches of the unit was shipped into the mining areas of Virginia City and Carson City. In 1855, there were at least 40 sawmills in the unit. By 1870, due to decreased mining activity, sawmills declined in number to about 25. There are approximately 130 timber operators in the unit. The majority are small operators engaged in logging only. The largest operator, as reported in 1960, was the Michigan-California Lumber Company, located at Camino, with an output of over 69,000,000 board-feet. Other large operators are the

Stockton Box Company and Hughes Brothers both at Foresthill and the Placerville Lumber Company at Placerville and Smith Flat. Almost all of the manufacturing activity within the unit is attributable to these lumber firms. In Placer County during 1956, 38 of the 57 manufacturing firms were engaged in lumbering activities. Since the four firms mentioned account for approximately one-third of the salaries and wages within the hydrographic unit, the impact of the lumbering industry on the economy of this unit is evident.

The American River Basin is extensively used for recreation. The most intensive recreational use is found at Folsom Lake and in the areas adjacent to U. S. Highway 40 and U. S. Highway 50. The headwater streams of the river system are extensively used for trout fishing. To supplement this heavy pressure the State Department of Fish and Game has conducted a trout planting program for many years. In the lower reaches of the unit, migratory species, principally salmon and steelhead were an important fishery before the completion of Folsom Dam.

Other recreational activities, in addition to fishing, include camping, picnicking, vacationing, swimming, and boating in the summer, and skiing in the winter. All of the winter recreation takes place along and adjacent to U. S. Highway 40 and U. S. Highway 50, as other roads are generally inaccessible. Recreational use in El Dorado National Forest during 1960 has been estimated at 1,900,000 visitor days.

Water development in the American River Basin began in the mid 1800's to supply the mines. Early development

consisted of small diversion structures and mining ditches.

About 1870 the Rock Creek Water Company, a predecessor of the Georgetown Divide Public Utility District, constructed a small timber crib dam on Gerle Creek to form Loon Lake. Releases supplied the Georgetown Ditch previously constructed in about 1850 for mining purposes. In 1881-82 the crib dam was replaced with a masonry dam increasing the storage capacity to about 8,000 acre-feet. Recently, the Sacramento Municipal Utility District completed construction of a new dam at Loon Lake with a storage capacity of 76,500 acre-feet as part of its comprehensive American River hydroelectric development project.

Present development on the North Fork American
River consists of Lake Valley, Big, and North Fork Reservoirs,
which have an aggregate storage of about 25,000 acre-feet.
Regulated releases of water from Lake Valley Reservoir are
conveyed by natural watercourse and conduit to the Drum System
of the Pacific Gas and Electric Company for generation of
hydroelectric power, irrigation, industrial and domestic use.

On the Middle Fork system, present development consists of Loon Lake which serves the Georgetown Divide area with irrigation and domestic water.

Existing water developments on the South Fork

American River are the hydroelectric power facilities of the

Pacific Gas and Electric Company and the irrigation facilities

of the El Dorado Irrigation District. Storage releases from

Silver Lake Reservoir and Twin Lakes Reservoir on the Silver

Fork, and Medley Lakes Reservoir on Pyramid Creek, regulate

flows in the South Fork. The El Dorado Ditch, which diverts



Camping



Fishing

from the South Fork, supplies the major irrigation and domestic uses of the area from Pollock Pines to west of Placerville.

The ditch flow is regulated enroute by the El Dorado Forebay which diverts the bulk of the flow to the El Dorado Powerhouse, located on the south bank of the South Fork American River.

This plant has an installed power capacity of 21,000 kilowatts. About 4 miles below the plant, flow is again diverted to the American River Flume which conveys it some 12 miles downstream to the American River Powerhouse. This plant has an installed power capacity of 5,600 kilowatts. Additional irrigation supplies for the El Dorado Irrigation District are received from Jenkinson Lake on Sly Park Creek via the Camino Conduit, from Weber Reservoir on Weber Creek via the New Weber Ditch, and from the Cosumnes River via the Diamond Ditch.

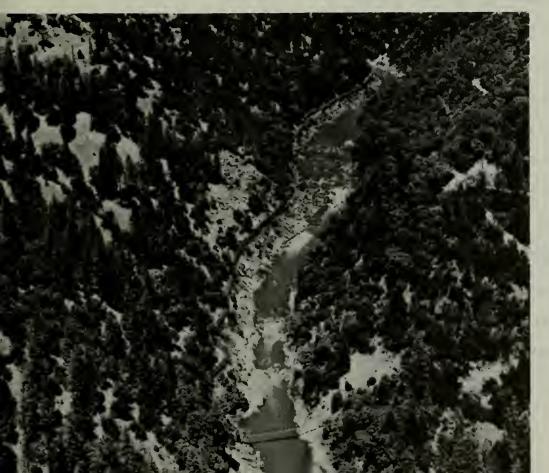
Sacramento Municipal Utility District is currently constructing a multi-stage hydroelectric project on the Middle Fork and South Fork American River system. The project is discussed in Appendix E.

Existing developments on the main stem of the American River consist of Folsom Dam, Reservoir and power facilities. Folsom Dam is a major feature of the Central Valley Project with primary purposes of flood control, power, navigation and water conservation for irrigation, municipal, industrial uses and salinity control. The reservoir has a storage capacity of 1,000,000 acre-feet and the power facilities an installed capacity of 162,000 kilowatts. Diversions are made from Folsom Reservoir to Hinkle and Baldwin Reservoirs which serve the San Juan Suburban Water District, and by pipeline



Ice House Reservoir

Courtesy of Sacramento Municipal Utility District



American River Flume

to the existing Natomas Ditch which was formerly served by a gravity diversion out of the South Fork American River. Both of these diversions serve lands in the Sacramento Valley Floor Hydrographic Unit.

Natural Features

The American River Hydrographic Unit is a generally mountainous area with elevations varying from about 225 feet in the vicinity of Folsom Reservoir to 10,380 feet above sea level at Round Top Mountain, in the southeast corner of the unit. Valley and foothill lands constitute only 0.3 percent and 27 percent, respectively, of the total area. The development of agricultural lands has been largely confined to those lands at the lower elevations along U. S. Highway 40 on the north, areas in the vicinity of Greenwood and Cool, and along U. S. Highway 50 on the south.

The hydrographic unit lies on the western slope of the Sierra Nevada Range, extending to the edge of the Sacramento Valley Floor. The Sierra Nevada Range is essentially a tilted block fault, dipping gently beneath the sediments of the valley floor on the west, and descending abruptly into the Great Basin Region along a series of bold fault scarps on the east. The geologic age of the basin formations vary from Mississippian to Recent. The oldest formations lie in a northwest-trending zone part way up the west slope of the mountains, where they have been folded and metamorphosed by the intruding granitic mass which forms the core of the range. The granitic core is exposed at higher elevations throughout



Silver Creek Canyon

Courtesy of Sacramento Municipal Utility District



High Sierras

most of the range. Many of the larger ridges are capped by Tertiary volcanics and/or gold-bearing river gravels. The present stream channels are filled with Recent boulders and gravels.

The peaks on the crest of the Sierras in eastern Placer County show evidence of Pleistocene glaciation in the upper elevations. The general region is not strongly active seismically, although numerous faults are known to exist within the American River Basin.

Soils of the American River Hydrographic Unit can be broadly described as falling into three major zones dependent on their present and probable future use. These three zones are the Foothill Zone, the Upland Agricultural Zone, and the Forest-recreational Zone.

The Foothill Zone is comprised of rather shallow, somewhat rocky, red-colored upland soils that are presently being utilized largely for range grazing. The area is typified by a generous cover of oaks and grasses or spotty stands of dense chaparral. This zone occupies an elevation band beginning on the valley floor on the west, running east to about the 1,800-foot contour.

The Upland Agricultural Zone, comprises a broad belt that runs in a northwesterly direction across the watershed extending from the Cool-Georgetown area on the north to the Placerville-Camino area on the south. Soils in this zone are characteristically deep, reddish-brown in color, fertile, and quite permeable. Some scattered surface and profile rock can be observed in some areas. Native vegetation varies

from oaks and grasses at lower elevations to commercially important mixed coniferous timber stands at higher elevations. As evidenced by the large acreages of pears and apples planted in this zone, the area is highly suited for deciduous ochards.

The third major soil zone, the Forest-recreational Zone, comprises the major acreage of the watershed. This zone is typified by large areas of rough, broken and stony land normally found in the higher elevations of the Sierra Nevada Range. Many of the soils in this zone, though they possess physical properties normally associated with agricultural lands, were classified as being best suited to remain in some sort of forest management program due to climatic limitations.

Climate

The American River Hydrographic Unit experiences a wide variety of climates. The summers are warm and dry and the winters cool and wet. There is some thunderstorm activity at the higher elevations during the summer, but the total precipitation from these storms is negligible. The unequal seasonal precipitation is illustrated by the fact that on the average 10 percent of the annual precipitation occurs in one day, 25 percent occurs in 12 days, and 50 percent occurs in 60 days, during the winter. The summers by contrast receive less than one percent of the annual precipitation.

The importance of snowfall in the unit is great.

Melting snow contributes an estimated 40 percent of the annual runoff of the American River. By April 1, with the average snow line located near the 5,000-foot elevation the

snowpack covers 55 percent of the watershed. At the 5,000-foot elevations 35 percent of the annual precipitation occurs as snow while at 7,000 feet 75 percent occurs as snow.

The elevation of greatest total precipitation for the American River Basin is near 5,500 feet which is the elevation where orographic lifting of moist tropical marine air masses is most active. To the east in the higher elevations, precipitation totals diminish.

Table 2 shows the mean annual precipitation at selected stations within and adjacent to the American River Hydrographic Unit.

Temperatures in the hydrographic unit are influenced by prevailing air masses, elevation, and drainage of cold dense air from higher elevations into the valley. When dry air enters and occupies the American River Watershed from the east, the extremes of both summer heat and winter cold are more pronounced. Summer temperatures will at times exceed 100 degrees at lower elevations, while very low winter temperatures are often experienced at higher elevations.

Table 3 presents data on temperature and length of frost free period for six representative weather stations. The temperatures presented are the arithmetic means of the daily maximum and minimum temperatures and the extreme maximum and minimum temperatures for the indicated period of record. The length of the frost free period represents the average period, in days, between the last day in spring and the first day in fall when the minimum daily temperature is above 32 degrees Fahrenheit.



Old Loon Lake Dam

Courtesy of Sacramento Municipal Utility District



Snow Surveyors

TABLE 2

MEAN ANNUAL PRECIPITATION AT SELECTED STATIONS
IN OR NEAR AMERICAN RIVER HYDROGRAPHIC UNIT

			-					
Station		Eleva- tion in feet		Precipi- tation in	·:¯ :	Average Se Precipi -: tation : in : inches :	Snow- fall in	: Period : of
Folsom Auburn Placerville El Dorado P. Colfax Georgetown Foresthill Blue Canyon Soda Springs Twin Lakes	н.	350 1,300 1,890 1,920 2,418 2,701 3,200 5,280 6,750 7,829		17.63 27.59 31.44 42.12 41.53 41.62 44.51 58.75 57.61 34.98	_	23.25 34.17 38.48 47.06 44.68 46.23 49.88 67.01 64.02 44.88	0 1 34 28 32 50 179 398 367	1871-1962 1870-1962 1874-1962 1936-1962 1870-1962 1940-1962 1940-1962 1940-1962 1930-1962

TABLE 3

SUMMARY OF TEMPERATURE DATA AT SELECTED STATIONS
IN OR NEAR AMERICAN RIVER HYDROGRAPHIC UNIT

Station	Eleva tion in feet	: tu	era- ces,	-	reme pera- res, o _F	Average length of frost free period in days	
Folsom Auburn Placerville Colfax Blue Canyon Twin Lakes	350	47	75	15	113	271	1931-52
	1,300	47	74	17	110	271	1931-52
	1,890	39	72	8	114	170	1931-52
	2,418	46	71	11	110	225	1931-52
	5,280	38	62	-5	99	144	1944-52
	7,829	25	52	-26	90	27	1931-52

^{*} Based on or adjusted to the 50-year base period from July 1910 to June 1960.

Water Resources

Streamflow in the American River Basin is influenced by snowmelt which delays spring runoff beyond the main precipitation period and into the late spring and summer months.

Runoff records of 10 years or longer are available for 23 stream gaging stations. The station, American River at Fair Oaks, has the longest period of record 57 years. It is situated on the main stream about 10 miles below Folsom Dam in the Sacramento Valley Floor Hydrographic Unit.

Pertinent streamflow records of the American River Basin are summarized in Tables 4 and 5, to illustrate runoff characteristics and the individual station period of record.

In 1960, during which most of the diversions in this unit were measured, runoff at the Fair Oaks gage was 65 percent of the average annual discharge for 1904-1961, eliminating the effect of Folsom Reservoir operation since 1956. During the May-October period, runoff recorded was approximately 47 percent of the long-term average for this six-month period.

Local Agencies Concerned with Water Development

Local agencies that are concerned with water development in the American River Hydrographic Unit include El Dorado Irrigation District, public utility districts, and several miscellaneous water service agencies.

The El Dorado Irrigation District is situated adjacent to the unit's southern boundary and serves irrigation, municipal, and domestic users. A brief discussion concerning the district and its surface water diversions is

contained in Appendix D. Other water agencies serving agricultural interests and other users are Georgetown Divide
Public Utility District, Coloma-Lotus Ranch Ditch (an unincorporated mutual water company), and Pacific Gas and Electric
Company.

A portion of the water supplied to meet urban requirements in the unit is delivered by the municipal water department of Placerville, and public utility districts near Foresthill, Georgetown, and Pollock Pines. Along the north-west boundary of the unit, urban areas are served by the Pacific Gas and Electric Company either directly or through other water service agencies. Other urban service is received from commercial water companies, mutual water companies, county water districts, and other miscellaneous water service agencies.

Agencies presently active in water development in the American River Hydrographic Unit are the Georgetown Divide Public Utility District, the Placer County Water Agency, and the Sacramento Municipal Utility District. The Georgetown Divide Public Utility District is developing storage and improving conduit conditions in the Pilot Creek area of the Middle Fork American River. The Placer County Water Agency is developing the Upper American River Basin waters for power and for use in western Placer County in the Sacramento Valley Floor Hydrographic Unit. One of the initial units under construction is French Meadows Dam and Reservoir on the Middle Fork American River. The Sacramento Municipal Utility District is developing the waters of the Rubicon River and

South Fork American River for the production of power.

Developments by the above-mentioned districts are discussed in detail in Appendix E.



New Loon Lake Dam

Courtesy of Sacramento Municipal Utility District



Union Valley Dam Under Construction

TABLE 4

RECORDED RUNOFF* AT SELECTED STATIONS IN OR NEAR AMERICAN RIVER HYDROGRAPHIC UNIT

: American River at Fair Oaks	1,889	1961-1061	5,710,000 1907 530,000 1924 2,702,000 1,755,000	1,520,000 3/07 972,000 8/24	180,000 11/21/50 3.6 8/16/24
: South Fork : American River: near Camino :	16 4	1952-1961	1,274,000 1951 117,000 1924 607,300 417,200	392,400 5/52 272 10/29	12/23/55 12/23/55 1.2 8/24/31
: Middle Fork : American River 1: near Auburn	619	1911-1961	1,909,000 1952 229,000 1924 997,700 670,400	588,000 5/15 1,380 9/31	79,000 12/23/55 20 20 9/6/31 9/19/34
North Fork : American River : at North Fork Dam:	343	1961-1461	1,098,000 1952 234,800 1961 575,600 374,700	317,400 12/55 1,380 1,380	49,100 12/23/55 0 (a)
	Drainage Area (sq. mi.)	Period of Record	Annual Discharge Maximum (af) Date Minimum (af) Date Average (af) Discharge-1960 (af)	Monthly Discharge Maximum (af) Month and year Minimum (af) Month and year	Instantaneous Discharge Maximum (cfs) Date Minimum (cfs) Date

* Data obtained from USGS Water Supply Papers.
(a) Zero flow several days in August and September 1944.

TABLE 5

STREAM GAGING STATIONS* IN OR NEAR AMERICAN RIVER HYDROGRAPHIC UNIT

Station	: Period : of record
North Fork American River near Colfax	1911-41
North Fork American River at North Fork Dam	1941-61
North Fork American River at Rattlesnake Bridge	1930-37 1938-55
Middle Fork American River near Auburn	1911-61
Middle Fork American River at French Meadows	1951-61
Rubicon River near Georgetown Pilot Creek near Georgetown	1909-14 1943-61 1946-60
South Fork American River near Camino	1922-61
South Fork American River at Coloma	1929-41
South Fork American River near Kyburz	1922-61
South Fork American River near Lotus	1951-61
Silver Fork of South Fork American River near Kyburz	1924-44
Alder Creek near White Hall Echo Lake Conduit near Phillips Plum Creek near Riverton Pyramid Creek near Phillips Silver Creek near Placerville Silver Creek at Union Valley Silver Lake Outlet near Kirkwood South Fork Silver Creek near Ice House Twin Lakes Outlet near Kirkwood Weber Creek near Salmon Falls	1922-61 1923-61 1922-39 1922-61 1921-61 1924-60 1922-61 1924-61 1943-59
American River at Fair Oaks	1904-61

^{*} United States Geological Survey Water Supply Papers listing 10 years or more of record.

CHAPTER II. WATER USE

Hydrographic Unit are met almost entirely by diversion of surface runoff. The water use survey conducted for this report, results of which are discussed herein, was limited to the investigation of those individual uses of surface water exceeding 10 acre-feet per year. The survey, encompassing diversion of water for all purposes, developed information concerning:

(1) location of the surface water diversion point, (2) description of the diversion structure and system, (3) use of the diverted water, (4) amount of water diverted, and (5) the apparent water right under which the diversion was made.

Present Water Use

Quantities of water diverted from selected surface sources during 1960 were measured. These measured quantities do not necessarily represent average diversion amounts, since in any single year the quantity diverted will be influenced by precipitation during the growing season and the available streamflow. As was shown in Tables 2 and 4, the precipitation runoff in 1960 was well below normal. Considerations other than the available water supply, such as economic factors, may also affect the relation of any diversion record to typical operating conditions. The diversion quantities reported in Table 7 represent the actual amounts of water taken from the respective sources, and therefore include the recoverable and irrecoverable losses incidental to the primary use.

The location of water wells and the measurement of their yields were not covered in this investigation since it was determined that their importance was minor in the unit. However, areas irrigated by ground water as well as surface water, were determined in the land use survey described in Chapter III.

A large part of the urban water use in the unit is supplied by Pacific Gas and Electric Company. Urban areas receiving water from Pacific Gas and Electric Company by way of the Boardman Canal System are listed below:

Area	Delivery made to
Alta Auburn ¹	Individual water users Individual water users Morgan Tract Water Users Association
Colfax	Oak Ridge Mutual Water Company Alpine Meadows Property Owners Association, Inc. McGee Irrigation Company ²
Gold Run Shady Glenn	Riverview Estate Water Supply ^I ndividual water users Individual water users

Other urban areas in the hydrographic unit receive water from many small service agencies. Some of these provide only partial service for recreational urban use, and were not included in this investigation. Major water service agencies other than Pacific Gas and Electric Company are listed below:

2 Succeeded by Applegate Clipper Gap County Water District in 1962.

I Includes urban areas in the vicinity of Auburn and between Auburn and Colfax along U. S. Highway 40.

Location	Supplier	Source
Blue Canyon Coloma	Southern Pacific Company Coloma Community Water Company	Blue Canyon Creek South Fork American River
Emigrant Gap Foresthill	Southern Pacific Company Foresthill Public Utility District	Blue Canyon Creek Mill Creek
42 Mile Camp	Strawberry Creek Lot Owner's Association	Cody Creek
Fresh Pond	Pollock Pines Public Utility District	Plum Creek
Georgetown	Georgetown Divide Public Utility District	Pilot Creek
Iowa Hill	McGiachin Placer Gold Mining Company	Shirttail Canyon
Kyburz	Kyburz Water Company	South Fork American River
Pacific	Silver Fork Water Association	Silver Fork of South Fork American River
Placerville	El Dorado Irrigation District Placerville Municipal	South Fork American River North Fork Weber
	Water Department	Creek
Pollock Pines	Pollock Pines Public Utility District	Plum Creek
Sciots Camp Strawberry	Cabin Owner's Association Strawberry Heights Water Company	Cody Creek Tributary to South Fork American River
The Cedars Twin Bridges Vade Whitehall	North Fork Association Twin Bridges Resort Lyon and Sickel Whitehall Community Water Company	Cedar Creek Pyramid Creek Alice Creek South Fork American River

Water Rights

Water rights are an important consideration in the determination of availability of waters which are surplus to the present and future needs of an area wherein the waters originate. Data were obtained with respect to apparent water rights of the surface water diversions described in Table 6. These rights may be based on appropriative or riparian status and may have been defined by adjudication. Some water use in the American River Hydrographic Unit is based on appropriative

rights established prior to 1914. A brief explanation of Water Rights is included in Appendix C of this report.

As of October 1963 a total of 601 currently valid applications had been made in the unit under the provisions of the Water Commission Act of 1914. Permits or licenses had been granted for 556 of these applications, 12 were pending with the State Water Rights Board, and 33 were incomplete as of that date. These applications are tabulated in Appendix C, Table C-1.

Surface Water Diversions

During the survey all diversions of surface water in excess of 10 acre-feet per year, which could be field located, were plotted on aerial photographs having a scale of about 1:20,000. All diversions in use in 1960, as well as those which had been used within the preceding five years, were included. The date of last use, if known, was recorded for discontinued diversions. Direct diversions, as well as diversions to storage, were located. All reservoirs which had surface areas of about three acres or more were mapped. Considering an average annual evaporation rate of 40 inches in the unit, reservoirs of 3 acres surface area would have an annual evaporation of about 10 acrefeet. Reservoirs located along and operated in conjunction with canals and ditches were shown on the land and water use maps, but were not considered as separate systems and were not assigned location numbers. Similarly, minor water supplies from small intermittent streams intercepted by canal systems are not classed as separate diversions.

In some cases water users have made efficient use of water supply by rediverting field runoff or spill collected from their own upstream diversion systems. In this investigation such points of rediversion were neither located on the maps nor assigned numbers. However, if return flow from another water user's operation was rediverted or if there was doubt as to the origin of the water, the diversion was delineated and assigned a number. Diversion systems of water companies or groups of water users were considered as single units, and individual customer distribution points were not shown on the maps.

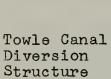
There were 249 surface water diversions located in the unit in 1960. These diversions were classified by primary use as follows:

Primary use	Number of diversions
Irrigation Municipal Industrial (lumber mills) Mining Power Domestic Stockwatering Recreational Other	143 7 6 9 16 19 6 10 33
Total diversions located	249

Points of diversion and main canals or pipelines are delineated on the 28 sheets of Plate 2 entitled, "Land and Water Use." The diversions are listed in Table 6 entitled, "Descriptions of Surface Water Diversions in American River Hydrographic Unit."



Spill from South Canal





Numbering System for Surface Water Diversions

Surface water diversions are numbered to indicate their location by township, range, and section. For this report each section was subdivided into 40-acre plots, and the diversions are numbered within each of these 40-acre plots according to the order in which they were located. For example, DllN/9E-14Ql, which is shown on Sheet 18 of Plate 2 as "14Ql," was the first diversion located in the 80 of the 80 of Section 14 in Township 11 North, Range 9 East, Mount Diablo Base and Meridian.

Descriptions of Surface Water Diversions

Descriptions, histories, and other information relating to surface water diversions were obtained by field inspection, by interview with water users or their representatives, and by reference to prior reports and official records. This information is contained in Table 6. Data in the table are arranged by diversion number within each subunit. Location of subunit boundaries is shown on Plate 1.

The purpose of each diversion, the quantity of water diverted during 1960, the extent of use such as number of acres irrigated, and method of application of water are included in Table 6. If the purpose listed is not the usual use for that diversion, notation is made in the remarks. The extent of domestic use is specified only when five or more connections are served. Stockwatering of less than 10 head of livestock is considered to be a domestic use. The extent of irrigation is based on the land use survey described in Chapter III.

The type of water right under which the respective diversions are considered to be made is indicated in Table 6 as the "apparent water right." The determination of this item is based upon the best information available from the owner, files of the State Water Rights Board, official records, and other sources. The amount of the right, if established and known, and a reference to the source of data are also included. Although this information is believed to be accurate, it is emphasized that it is not based on sworn claims or testimony and should in no way be construed to represent a conclusive determination of water rights. In this report, references to the "miner's inch" are quotes from the appropriative filings and no attempt was made to evaluate these in cubic feet per second.

Diversions for which water rights have been adjudicated are listed in Table 6 as "adjudicated." Those based on appropriative rights are listed as "appropriative." Those which have been neither adjudicated nor based on appropriations but for which the area of use is apparently riparian to the streams or which the owner claims to be riparian are listed as "riparian." The areas of use of some diversions listed as adjudicated or appropriative may be riparian to water sources, but no attempt was made in this investigation to make such determinations.

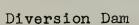
In the case of an adjudicated right, the amount of the decreed right is tabulated. For an appropriative right the amount tabulated is that found in the filing, application, or latest permit or license which may have been issued in connection with the application. The reference given for an appropriation initiated after the effective date of the Water Commission Act of 1914 is the number of the application on file with the State Water Rights Board. For appropriations prior to 1914, the reference, if known, is the book and page number of the official county record in which the filing is recorded. Such filings were made in accordance with Sections 1410 and 1422 of the Civil Code as enacted in 1872, which preserved the priority of a diligent appropriator from the time of filing and enabled him to prevail over a concurrent nonstatutory appropriator.

Records of Surface Water Diversions

Records of surface water diversions in the unit were obtained from the operating agency when possible. When necessary, continuous or periodic measurements of surface water diversions were made by the Department of Water Resources wherever it was feasible to measure the flows. Most of the diversions for nonagricultural uses and some of those used for agriculture were operated throughout the year. Substantially all diversion measurements were started by April 1960, prior to the commencement of intensive irrigation, and continued through the irrigation season. Some of the diversions were not located until late in the survey, and no measurements or estimates of these were attempted. When feasible, the measurement of a diversion was made at a location above the area of first use and as close to the diversion intake as possible but below any regulatory spill.



Recorder on Diamond Ditch





Diverted quantities were determined by measurement of open channel flow and rating of pumps. Periodic current meter measurement of open channel flows were made during the diversion season to obtain channel ratings. The water surface stage was recorded either by weekly observations of a staff gage or with a continuous water stage recorder, from which quantities of flow were calculated. Existing weirs were used wherever available. Pumps were rated and quantities of flow calculated from operation or power records. These observations were supplemented by interview of water users to obtain additional staff gage readings and to obtain data on possible abrupt changes in operation between readings.

Results of the diversion measurements are summarized in Table 7. When the recorded data were considered sufficiently reliable, monthly diversion quantities are shown in acre-feet. When the diversion for a given period is known to have been zero, it is so indicated. However, when the recorded data were incomplete or missing, the following notations are used: "---**---" to indicate that the data were sufficient to estimate the total quantity only; "---NR---" to indicate the period during which no recorded data were available.

Index to Surface Water Diversions

For convenience of the reader, an alphabetical index of diversion owners and diversion names, along with the sub-unit location of each diversion, references to the sheet number of Plate 2, and page numbers of the text or appendixes on which data concerning each appear, is shown in Table 9.

Imports and Exports

Imports

Surface water is imported to the unit at five points from adjacent watersheds, for use in the American River Basin. They are: Boardman and Bear River Canals from the Yuba-Bear Rivers Watershed; Echo Lake Conduit from the Truckee River Watershed; and Sly Park-Camino Conduit and Diamond Ditch from the Cosumnes River Watershed.

The Boardman and Bear River Canal systems of the Pacific Gas and Electric Company deliver a portion of their supply through laterals to the American River Watershed for irrigation, domestic, and municipal uses, with the excess released to Folsom Reservoir on the American River. The areas served by these imports extend along the northern boundary of the hydrographic unit from the Dutch Flat area to Roseville. The primary area irrigated is south and southwest of Auburn. The principal municipal service area is that portion of the City of Auburn within the hydrographic unit.

The Echo Lake Conduit, part of the Pacific Gas and Electric Company system, imports water during the summer and fall months of low flow to the upper reaches of the South Fork American River for power generation purposes.

The Sly Park-Camino Conduit delivers water from the Sly Park Unit of the Central Valley Project located in the Cosumnes River Watershed to the El Dorado Ditch near Camino. The El Dorado Irrigation District delivers the water for irrigation within the district.

The Diamond Ditch imports a minor quantity of water from the Cosumnes River Watershed. This water is delivered to local water users southwest of Placerville, mainly for irrigation, by El Dorado Irrigation District.

Exports

Five diversions in the American River Hydrographic
Unit export water from the unit for use in the Yuba-Bear Rivers
Watershed and the Sacramento Valley Floor.

Along the northern boundary of the unit, Lake Valley Canal, Pulp Mill Canal, and Towle Canal, all owned by Pacific Gas and Electric Company, divert from the North Fork American River area. Lake Valley Canal diverts from the North Fork of North Fork American River to supplement the Drum Canal, the Pulp Mill and Towle Canals divert from Canyon Creek to supplement the Boardman Canal.

The other two export diversions, the North Fork Ditch and the Natomas Ditch, formerly diverted from the North Fork and South Fork of the American River, respectively. With the completion of Folsom Dam, and the filling of the reservoir, these ditches were inundated. Present water deliveries to the entities formerly served by these ditches are now made from a pumping station near the face of the dam in the Sacramento Valley Floor Hydrographic Unit.

For records of measured quantities of water exported to other hydrographic units and imported to the unit, see Table 8. Location of points of import and export are designated on Plate 2.

Consumptive Use

In the American River Hydrographic Unit, the largest quantity of water diverted from surface streams is used to produce hydroelectric power, but the largest consumptive use of water is by irrigated agriculture. Consumptive use of water is defined as the quantity of water consumed by vegetative growth in transpiration and building of plant tissue, and by water evaporated from foliage, adjacent soil, and water surface; and also it includes water similarly consumed and evaporated by urban and nonvegetative types of land use. Although evaporation from storage reservoirs and canal systems may be significant, sufficient data were not available to estimate these losses.

Based on the unit consumptive use values in State
Water Resources Board Bulletin No. 2, "Water Utilization and
Requirements of California," consumptive use of applied water
during 1960 is estimated to have been 16,700 acre-feet for
irrigated agriculture. In addition, approximately 2,200 acrefeet were used for domestic and municipal purposes, and 200 acrefeet for industrial purposes. The consumptive use of water for
mining purposes, mainly evaporation from canal surfaces, is
considered negligible. These unit values of consumptive use
of applied water from Bulletin No. 2 for the American River
Unit are: pasture 2.1, orchard 1.3, hay and grain 0.6, and
miscellaneous field crops 0.9 acre-feet per acre.

The total water diversion measured during 1960 was 139,440 acre-feet, as detailed in Table 7. Of this 49,818 acre-feet were diverted for irrigation, 86,118 acre-feet for power

generation and 1,659 acre-feet for mining. Seasonal diversion rates of individual diversion systems for irrigation varied from less than 0.9 to over 24.5 acre-feet per acre.

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN AMERICAN RIVER HYDROGRAPHIC UNIT TABLE 6

	Remorks			Serves United States Weather Bureau Blue Canyon Station,	Serves community of Blue Canyon. Received supplemental supply from D16N/llE-l4Bl.	Amount divarted supplemented Di6N/llE- llAl.	Serves community of Emigrant Gap. Received supplemental supply from DIN/12E-3382.	Reported amount diverted is exported via DITA/12E-3381 (Lake Valley Canal) for power in Yuba-Bear River Hydrographic Unit.**	Reported amount diverted includes amounts reported under DIPA/12E-25FI (Kelly Lake) and DIPA/12E-35FI (Lake Valley Reservoir) and exported for power in Yuba-Bear Rivers Hydrographic Unit.**	Amount diverted supplemented DITM/11E-36PL.	Former owner: Towle Brothers, Reported amount diverted is exported via DIYM/12E-33BI (Late Valley Gmal) for power in Yuba-Bear Kivers Hydrographic Unit, **
	Description of diversion system		Storage and gravity; earth dam 15 feet high, 650 feet long, with 0.2 mile of earth ditch.	Pump; 2 hp motor with 1,200 feet of 1.5-inch pipe.	Gravity; 6,600 feet of 4-, and 6-inch pipe.	Gravity; concrete encased spring with 1,000 feet of 4-inch pipe.	Storage and gravity; earth dam 19 feet high, 1,025 feat long and rock whing dam 10 feet high, 900 feet long. Storage capacity: 249 af	Storage and gravity; earth dam 21 feet high, 500 feet long. Storage capacity: 360 c.af	Gravity, concrete dam 6 feet high, 60 feet long, with 2.5 miles of canal, pipeline and flume.	Gravity; concrete dam 6 feet high, 50 feet long, with 3.6 miles of 6- and 8-inch pipe.	Storage and gravity; two-section earth and rock dam (West Section) 74, feet high, 940 feet long; (South Section) 25 feet high, 300 feet long, with 24-inch discharge pipe to natural channel from east end of South Section.
Indicated date of	oppra- priation ar first use		1947	1937	1909	1	1916	1925	About 1911	1924	1887
right	Reference	TIN	A-18541ª	A-9114ª	1	1	1	A-4851ª	1	1	1
Apparent water right	Amount	BLUE CANYON SUBUNIT	0.125 cfs	0.0186 cfs	1	1	1	300 af	1	1	1
App	Туре	CANYC	Approp.		Riparian	(e)	(0)	Approp.	(9)	<u> </u>	Approp.
	Amount diverted in acre-feet	BLUE	Not meas.	Not meas. Approp.	Not meas. Riparian	Not meas.	Not meas.	308*	7,430	Not meas.	6,537*
Water use in 1960	Extent and method of use		26 acres by flooding Not meas. Approp.	*(9)	15 connections*	(*)	35-40 connections Road construction uses	*)	*	**	(e)
	Purpose		Irrig. Stock.	Domestic	Domestic	Domestic	Domestic Indust.	*	Export	Domestic Indust.	*
	Saurce		Blue Canyon Creak	Springs tributary to Blue Canyon	Blue Canyon	Spring tributary to Blue Canyon	Blue Canyon	Sixmile Valley	North Fork of North Export Fork American River	North Fork of North Domestic Fork American Indust. Aiver	North Fork of North Fork American Hiver
	owner		John R. Hodgson	United States Tahoe National Forest	Southern Pacific Company	China Spring Southern Pacific Company	Putt Lake Central Pacific Aailroad Company	Kelly Lake Pacific Gas and Electric Company	Lake Valley Canal Pacific Gas and Electric Company	Southern Pacific Company	Lake Valley , heservoir Paufflic Ges and Eletric Company
Oiversion	location and Plate 2 sheet number		H D B & H D16N/11E-1C1 (Sheet 3)	D16N/11E-2Q1 (Sheet 3)	016N/11E_11A1 (Sheet 3)	D16N/11E-14B1 (Sheet 3)	D17N/11E-36F1 (Sheet 3)	017N/12E-25F1 (Sheet 1)	D17N/12E-33B1 (Sheet 1)	017N/12E-33B2 (Sheet 1)	D17N/12E-35G1 (Sheet 1)

* See remarks.
** For additional information see Appendix D, "Detailed Descriptions of Certain Surface Water Diversions".
*- Information not sealable.
For lettered footnotes, see last page of table.

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN TABLE 6 (Continued)

AMERICAN RIVER HYDROGRAPHIC UNIT

	Remorks			Former owner: O. Pitch.	Former owners: F. W. McCuen, W. J. Cumming.	Area irrigated received supplemental water purchased from El Dorado Irrigation District.						Normally irrigated additional 2 acres. Area idle in 1960.		
	Oescription of diversion system			Storage and pump; earth dam 15 feet high, 350 feet long, with 3 hp electric motor.	Storage and pump; earth dam 20 feet high, 400 feet long, with 10 hp electric motor and 0.1 mile of 4-inch pipe. Storage capacity: 25 af	Gravity; 3,000 feet of earth ditch and 5,500 feet of 4-and band 6-inch pipe.	Pump; 15 hp electric motor with 0.3 mile of 5-inch pipe.	Storage and pump; earth dam 17 feet high, 150 feet long, with 10 hp electric motor and 80 feet of 4-inch pipe.	Storage and pump; 3 small reservoirs with earth dama approximately 10 feet high. 200 feet long, with a 7.5 hp electric motor and 0.2 mile of 2- and 3-inch pipe.	Storage; earth dam 25 feet high, 200 feet long. Storage capacity: 15 af	Storage, earth dam 28 feet. high, 266 feet long. Storage capacity: <2 af	Storage and gravity; earth dam 29 feet high, 300 feet long, with 0.5 mile 4-inch pipe.	Storage capacity: 39 af Pump; 10 hp electric motor with 600 feet of 3-inch pipe.	
Indicated date of	appra- priation ar first usa			Prior 1914	About 1870	About 1860	1954	1955	1949	About 1938	1947	1942	1954	
right	Reference			1	A-12240	A-6410ª	1	ı	1	A-13766 ^a	A-12124.	ı	1	
Apparent water right	Amount	SUBUNIT	_	1	0.5 cfe	0.5 cfs	1	1	1	15 af	22 af	ı	ı	
App	Туре	COLOMA SL		Approp.	Approp.	Approp.	Riparian	<u> </u>	3	Approp.	Appro p.	(6)	Riparian	
	Amount diverted in acre-feet	잉		Not meas. Approp.	Not meas. Approp.	171	32	Not meas.	Not meas.	Not meas. Approp.	Not meas.	Not meas.	Not meas.	
Water use in 1960	Extent and method of use			4 acres by sprinkler	10 acree by flooding Swimming and flahing	153 acree by sprinkler* (b)	17 acres by sprinkler	13 acres by flooding	4 acree by sprinkler Not meas.	60 head Flahing	1	11 acree by eprinkler Not meas.	9 acres by sprinkler Not meas, Riparian	
	Purpose			Irrig.	Irrig. Recr.	Irrig. Domeetic	Irrig.	Irrig.	Irrig.	Stock Recr. Fire Prot.	Stock.	Irrig. Stock.	Irrig.	
	Source			Tributary to South Fork American River	White Rock Greek	Brueh Canyon	Greenwood Creek	Tributary to Hastings Creek	Tributary to Blue Tent Greek	Norton Ravine	Norton Ravine	Brush Creek	Brush Creek	
	Diversion name and/or owner			W. R. A. Wygersma	W. C. Cumming	Katherine C. Lareen and Sons	Byron and Francie	C. A. Steves	B. Binchi	K. W. and Melba Trowbridge	Michard M. Miller	Byron and Francis	Byron and Francis Bacchi	
Diversion	location and Plate 2 sheet number		MOBGM	DION/11E-211 (Sheet 24)	DION/11E-3J1 (Sheet 24)	DlON/12E-411 (Sheet 25)	DIIN/9E-3KI (Sheet 18)	011N/9E-641 (Sheet 18)	D11N/95-781 (Sheet 18)	DllN/9E-7R1 (Sheet 18)	DllN/9E-8F1 (Sheet 18)	D11N/9E-12C1 (Sheet 18)	DllN/9E-12F1 (Sheet 18)	

See remarks.
 For additional information see Appendix D, "Detailed Descriptions of Certain Surface Water Diversions".
 Information not swallable.
 For lettered footnotes, see last page of table.

TABLE 6 (Continued)
DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
AMERICAN RIVER HYDROGRAPHIC UNIT

_		г –												
	Remorks				Acreege reported was irrigated jointly with Dilly/9E-1642, Dilly/9E-21A1 and Dilly/9E-21A1 for direct diversion and to Dilly/9E-1642, Dilly/9E-1642 and Dilly/9E-1642 and Dilly/9E-1642, Aggregate storage capacity: 63 af	Water use and water right date reported under DIN/95-16Q1.	Water use and water right data reported under D11N/9E-16Q1.	Formar owner: G. Bassiy, Water use reported under DILN/95-16Q1,	Previoualy irrigated 90 acres. Aree was idle in 1960. Storage is released to natural channel below reservoir for conveyance to pipeline at 111V/9E-L4QL			Former owner: George Neilson.	Former owner: Manafield. Acreage reported was inrigated jointly with DIN/105-1701. Normally irrigated additional 2 acres.	Amount diverted irrigated jointly with DilM/loE-leMl.
	Description of diversion system				Storage and gravity; earth dam 23 feet high, 300 feet to 4-inch pipe to pipeline from DIN/9E-16Q2. Storage capacity: (*)	Storage and gravity; earth dam 23 feat high, 200 feet long, with 0.2 mile of 4-inch pipe. Storage capacity: (*)	Storage and gravity; earth dam 23 feet high, 300 feet long. Storaga capacity: (*)	Gravity; earth dam 5 feet high, 50 feet long, with 0.8 mile of earth ditch to etorage in DIIN/9E-16QL.	Storage and gravity; earth dam 48 feat high, 350 feat long, with 2,680 feat of 4-, 6- and 8-inch pipe.* Storage capacity: 587 af	Storage; earth dam 35 feet high, 300 feet long.	Gravity; 1.9 miles of 2-, 2.5-, 3- and 4-inch pipe.	Pump; 5 hp electric motor with a 3-inch pipeline.	Gravity; earth dam with 1.0 mile of earth ditch.	Amp; 10 hp electric motor with 0.2 mile of earth ditch
Indicated dote of	appro- priation or first use				About 1954	About 1954	About 1954	About 1870	1947	1958	1925	Prior 1952	About 1860	About 1919
right	Reference		(Continued)		A-15804	*	*	ı	A-12131ª	1	A-4868 ^a	ŀ	1	ı
Apparent water right	Amount				0.37 cfs	<u> </u>	£	1	636 af	1	0.05 cfs	ŀ	ı	1
App	Туре		SUBUNIT	-	Арргор.	*	*	(e)	Approp.	(e)	Approp.	Riperian	Approp.	Riparian
	Amount diverted in ocre-feet		COLOMA		Not mean.	Not meas.	Not meas.	Not meas.	Not meas.	Not meas.	Not meas.	Not meas.	Not meas.	108
Water use in 1960	Extent and method of use		Ol.		5 acree by aprinkler* 60 head	(*)	6	*	(*) 400 head Fishing and hunting	34 head	(b) 200 head	9 acres by sprinkler (b)	10 acres by flooding 40 head	*
	Purpose				Irrig. Stock.	€	3	3	Irrig. Stock. Recr.	Stock.	Domestic Stock.	Irrig. Domestic	Irrig. Stock,	Irrig.
	Source				Tributary to South Fork American River	Tributary to South Fork American Aiver	Tributary to South Fork American Hiver	Burnt Shanty Greek	Jacobs Greek	Tributary to South Fork American River	Indian Greek	Kelsey Canyon	Dutch Greek	South Fork American Irrig. Miver
(Oiversion name and/or owner				Joe and Lillian Vicini	Joe and Lillian Vicini	Joe and Lillian Vicini	Joe and Lillian Vicini	Jacobe Greek Reservoir L. D. Stodick	C. L. and R. E. Singleton	Mrs. Henry, Byron and Francis Bacchi	Earl D. and Alice M. Taylor	Nansfield Ditch Melvin and Frank Gallagher	Melvin and Frank Gallagher
Oiversion	location and Plate 2 sheet number			MDB&M	D11N/95-16Q1 (Sheet 18)	D11N/95-16Q2 (Sheet 18)	D11N/9E-21A1 (Sheet 18)	DllN/9E-21Hl (Sheet 18)	D11N/95-2381 (Sheet 18)	D11N/9E-27M1 (Sheet 18)	D11N/10E-6L1 (Sheet 19)	DIIN/10E-14JI (Sheet 19)	D11N/10E-16M1 (Sheet 19)	Sheet 19)

* See remarks.

* See remarks.

* The additional information see Appendix D, "Detailed Descriptions of Certain Surface Water Diversions".

* Information not swallable.

For lettered footnotee, see last page of table.

-46-

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN AMERICAN RIVER HYDROGRAPHIC UNIT TABLE 6 (Continued)

		Remorks		Former ownere: Harry and Wolet Heaside, Previously irrigated 6 acres. Area was idle in 1950. "Atter Tight filed in name of Harry and Willet Reaside.	Former owners: El Dorado Tunnel Mining and Ditch Company; "ill Stearn; Mrs. W. Hahler; Hrs. J. L. Norrins; Massemueen Estate; Bassey; M. White; G. W. Hansey; E. K. Weller; E. Weller; Faling; O. W. Obburn; D. Haggart; G. Wagner; Joe Blundle; W. W. Valentine and M. Mahler. Freviously irrigated additional 44 acres. Area idla in 1960.	Previously irrigated a 20 acre orchard.	Water right filed in name of Sam Winje.	Former owner: L. W. Veerkamp.	Former owner: A. H. Hamilton.		Former owner: A. H. Hamilton.
	Description of diversion system			Rump; 5 hp electric motor with 0.2 mile of 2.5-inch pipe.	Gravity; concrete dam & feet high, 300 feet long, with 12.0 milee of earth ditch.	Pump; 3 hp electric motor with aluminum pipeline.	Storage and pump; earth dam 14 feet high, 258 feet long, with 5 hp electric motor and 250 feet of 4-inch pipe. Storage capacity: 12 af	Storage and gravity; earth dam 20 feet high, 300 feet long, with 0.2 mile of earth ditch.	Storage and gravity; earth dam 15 feet high, 325 feet long, with 10 hp electric motor and 0.2 mile of 4-inch pipe. Storage capacity; 23 af	Storage and gravity; earth dam 20 feet Indip, 200 feet long, with 0.1 mile of earth ditch and 3,000 feet pipaline.	Storage and pump; earth dam 15 feet high, 400 feet long; with 7.5 hp electric motor and short pipeline Storage capacity: 24 af
Indicoted	dote of	oppra- priation or first use		About 1953	About 1858	1954	1948	About 1931	About 1948	About 1933	About 1940
right		Reference	(Continued)	A-15662 ⁸	I	A-16037 ^a	A-12462 ^a	1	A-12463ª	A-12184	A-12463
Apporent water right		Amount		0,014 cfe	ı	0.016 cfs	Je †	1	n ar	.0062 cfs	2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2
Apr		Туре	SUBUNIT	Not meas. Approp.*	Approp.	Арргор.	Approp.	<u> </u>	Approp.	Approp.	Approp.
		Amount diverted in ocre-feet	COLOMA	Not meas.	3,490	Not mess.	Not meas.	ಭ	Not meas. Approp.	Not meas.	Not meas.
Woter use in 1960		Extent and method of use		€ .9	181 acree by flooding and eprinkler* 750 head	5 acree by sprinkler	7 acree by furrow Flahing	40 acree by flooding 60 head Fishing	7 acres by sprinkler 15 head Fiehing	39 acres by furrow 12 head Fishing	24 acres by optinider Not meas, Approp. 15 head Fishing
		Purpose		Irrig. Domestic	Irrig. Stock.	Irrig. Stock.	Irrig. Recr.	Irrig. Stock. Recr.	Irrig. Stock. Recr.	Irrig. Stock. Recr.	Irrig. Domestic Stock, Recr.
		Source		South Fork American Irrig. Alver Domestic	South Pork American Irrig. River Stock.	Tributary to Indian Creek	Chuck Ravine	Granite Creek	Tributary to Indian Greek	Indian Creek	Tributary to Indian Greek
	Oiversion nome	ond/or owner		Robert C. and Faye E. Spence	Coloms-Lotus Ranch Ditch State of California Division of Bachee and Parke C. Barber A. Herzig L. D. Stedick	Charlee W. and Lorraine Herrill	Norman Winje	Malcolm Veerkamp	George M. and Jeabelle D. Volz	Leo A. Akin	George H. and leabelle D. Volz
	Oiversion	ond Plote 2 sheet number		H D B & H D11N/10E-18N1 (Sheet 19)	Sheet 19	D11N/10E-28K1 (Sheet 19)	D11N/10E-29C1 (Sheet 19)	D11N/10E-29Q1 (Sheet 19)	011N/10E-33A1 (Sheet 19)	011N/10E-33A2 (Sheet 19)	Sheet 19)

* See remarks.
* Statements information see Appendix D, "Detailed Descriptions of Certain Surface Water Diversions".
*- Information not available.
For lattered footnotes, see last page of table.

TABLE 6 (Continued)
DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
AMERICAN RIVER HYDROGRAPHIC UNIT

	,		_													
Finant mearvoir and spring tributary to living the state of the state		Ramorks			Former owners: American River Electric Company, Western States Gas & Electric Company, Parlit Gas & Electric Company, and Mosquito District Matual Water Company, Wath source of euply is from Slab Greek via DLSN/LEZ-28T! (Summer-	field Ditch). Former owner: Roy Radon. Acreage irrigated received supplemental supply from El Dorsdo Irrigation District.	Acresge reported was irrigated jointly with DIAVILE-2938, DILLVILE-3931 and explanental water purchased from El Dorado Irrigation District.	Amount diverted irrigated jointly with Dilk/IIE-59E, DIN/IIE-59E, Sall and supplemental water purchased from El Dorsdo Irrigation District.	Amount diverted also irrigated jointly with DiaVile-2981, DiulVile-3982 and supplemental water purchased from El Dorado Irrigation District.						-;	
Source Source Purpose Event and Annuary Type Annuary Perpose Event and Annuary Type Annuary Perfect and Annuary Source Purpose Event and Annuary Type Annuary Source Purpose Event and Spring tributary to South Event and Spring tributary trib		Description of diversion system			Storage; earth dem 50 feet high, 830 feet long. Storage capacity: 400 af	Rump; electric motor with 500 feet of 1-inch pipe,	Storage and pump; earth dam 25 feet high, 500 feet long, with 5 hp electric motor. Storage capacity: 45 af	Storage and pump; earth dam 25 feet high, 300 feet long, with 10 hp electric motor. Storage capacity: 30 af	Gravity; drain system picks up flow from springs and purchased irrigation water.	Gravity; earth and gravel dam with 150 feet of wood flume and 0.3 mile of earth ditch.	Gravity; 70 feet of 6-inch pipe and 0.3 mile of earth ditch.	Pump; 5 hp alectric motor with a short pipeline.	Pump; 10 hp electric motor with 1,700 feet 3- and 6-inch pipe.	Gravity; rock and gravel dam with 1.1 miles of earth ditch.	Storage; earth dam 15 feet high, 200 feet long.	Gravity; earth and rock fill dam with 0.6 mile of earth ditch.
Purpose Elter' and method defined Type Amount Oceanies Source Sou	Indicoted dote of	oppro- priation or first use			1905	Prior 1946	About 1946	About 1954	About 1957	Prior 1914	Prior 1914	Prior 1900	Prior 1920	About 1890	About 1946	Prior 1900
Purpose Esterio de acres de l'accerter de l'agoire Create de l'accerter l'agoires amount l'accerter d'agoires creates d'agoires condiciones de l'accerter d'agoires creates d'agoires condiciones de l'accerter d'agoires condiciones d'accerter d'accerte d'acc	right	Reference		(penu	1	A-11303	A-13971 ^a	A-13971 ⁸	1	1	ı		1	1	1	A-9463ª
Finann Reservoir Source Finann Reservoir State of one o	orent water	Amount			ı	.011 cfs	Je 777	55 af	1	1	ı	1	ı	1	1	
Source Source Finnen Reservoir State Lawrence T. and Justin Creek Spring tributary to South Spring. Caeorge H. and George H.	App	Type		SUBUNI	Approp.	Арргор.	Approp.	Approp.	Riperian	Approp.	Approp.	Atparian	Riparian	épprop.	(°)	Арргор.
Source Source Finnen Reservoir State Lawrence T. and Justin Creek Spring tributary to South Spring. Caeorge H. and George H.		Amount diverted in ocre-feet		LOMA	Not meas.	Not meas.	Not meas.	Not meas.	Not meas.	Not meas.	Not meas.	Not meas.	Not meas.	Not meas.	Not meas.	417
California Daybird Creek State California Department of Fish and Game Inwrence T. and Wars Moore George H. and Isabelle D. Volz George H. and Isabelle D. Volz George H. and Isabelle D. Volz Isabelle D. Volz Indian Creek J. E. Hassler South Canyon Estate Lucy M. Brunius Spring tributary to Indian Creek Vinkelman North Canyon Greek Vinkelman South Canyon Greek Vinkelman South Canyon Greek Vinkelman Goon Guich Gand Juanita South Canyon Greek Vinkelman Goon Guich Gand Juanita Goon Guich Gand Juanita Goon Guich Gand Juanita Goon Guich Gand Juanita Goon Guich Ginkelman Ginkelma	Woter use in 1960	Extent and method of use			Swizming and fishing	6 acres by sprinkler (b)	46 acres by sprinkler 15 head Fishing		8 acres by sprinkler*	21 acres by furrow	2 acres by furrow	26 acres by sprinkler	29 acres by sprinkler	14 acres by furrow	Lumber mill and log	17 acres by flooding and sprinkler (b)
Finnon Reservoir Souree Souree ondor ondor State of State of Fish and Game Instrument of Fish and Game Isabelle D. Volz Renk American Alabelle D. Volz Indian Greek American Sabelle D. Volz Indian Greek American Satete Isabelle D. Volz Indian Greek Minkelman Spring tributary to South Canyon Satate South Canyon Satate South Canyon Greek Winkelman Goon Gulch Winkelman Goon Gulch Winkelman Goon Gulch Winkelman South Canyon Greek Winkelman Goon Gulch Gangon Greek Winkelman Greek		Purpose			Recr.	Irrig. Domestic	Irrig. Stock Recr.	Irrig. Stock. Recr.	Irrig. Stock.	Irrig.	Irrig.	Irrig.	Irrig.	Irrig.	Inquet,	Irrig. Domestic
		Source			Jaybird Creek	Spring tributary to White Mock Creek			Spring tributary to Indian Creek	South Canyon	South Canyon	Spring tributary to South Canyon	North Canyon Creek	South Canyon	South Canyon Greek	Coon Gulch
Noternon Obsertion Obser		Oversion nome ond/or owner			Finnon Reservoir State of California Department of Fish and Game	Lawrence T. and Vara Moore	George H. and Isabelle D. Volz		George H. and Isabelle D. Volz	J. E. Hassler Estate	J. E. Hassler Estate	Lucy M. Brunius	A. C. and Juanita Winkelman	J. E. Hassler Estate	A. C. and Juanita	J. M. Hassler A. G. and Juanita Winkelman
	Oiversion	location ond Plate 2 sheet number			M D B & M DllN/llE-16Ql (Sheet 19)	D11N/11E-32M1 (Sheet 19)	Dllw/llE-3381 (Sheet 19)	DllN/11E-33B2 (Sheet 19)	D11N/11E-33J1 (Sheet 19)	Dll/llE-34Gl (Sheet 19)	CHP-311/VIIG (Sheet 19)	011N/11E-34K1 (Sheet 19)	DIIN/IIE-35Al (Sheet 19)	DIIN/IIE-35F1 (Sheet 19)	0113/115-35KI (Sheet 19)	511N/11 E-3 5K1 (Sheet 19)

See remarks.
 An additional information see Appendix D, "Detailed Descriptions of Certain Surface Water Diversions".
 Information not evaliable.
 For lettered footnotes, see last page of table.

-48-

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN AMERICAN RIVER HYDROGRAPHIC UNIT TABLE 6 (Continued)

				Water use in 1960		Appo	Apporent water right	right	Indicated		
location	Oiversion name	į			Omerine.				date of	Description of	
ond Plote 2 sheet number	and/or awner	Source	Purpose	Extent and method of use	diverted in ocre-feet	Туре	Amount	Reference	printion or first use	diversion system	Remorks
				<u> </u>	COLOMAS	SUBUNIT	(Continued)	(penu			
M O B & R	2	Search Contract of the search	Indust	lumber mill	Not as			:	About	Storage: earth dam B feet high	
(Sheet 19)	Winkelman		Fire prot. Stock. Recr.	100 head Swimming and fishing					1950	120 feet long.	
DllN/112-36Kl (Sheet 19)	A. C. and Juanita Winkelman	North Canyon Creek	Irrig. Domestic	54 acres by sprinkler Not meas, Approp.	Not meas.	Approp.	1	Book of Water Rights Page 262d	About 1860	Storage and gravity; earth dam 26 feet high, 300 feet long, with 1.3 miles of 4-, 6-, 8-, and 10-inch pipe.	Former owners: Johnson; John Cleese; Halafax. Previously irrigated an additional 19 acres. Area was idle in 1960.
D11N/12E-19N1 (Sheet 20)	American Alver Flume Pacific Gas and Electric Company	South Fork American Fowar Miver	Fowar	5,600 km		Арргор.	1	1	1903	Gravity; timber crib dam 51 feet high, 170 feet long, with 7.3 miles of canal and flume.	Fomer owners: American River Electric Company; Western States Electric Company.
011N/12E-25L1 (Sheet 20)	Harvey E. West	Deadman Spring	②	.	Not meas. Approp.	Approp.	0,2 cfs	A-17357 ^a	1950	Pump; 15 hp electric motor with 100 feet of 6-inch and 1,300 feet of 4-inch pipe.	Water right also listed in name of Flacerville Lumber Company and is leased by Pollock Pines Public
											other Descriptor Descriptor of purpod into El Dorado Main Garal as partial repayment for water purchased from El Dorado Irrigation Discrict.
D11N/12E-31H1 (Sheet 20)	John, Lawrence and Ruth Larsen	Brueh Canyon	Irrig. Domestic	63 acres by sprinkler (b)	927	Approp.	1,25 cfe	A-3405	1923	Gravity; 2.0 miles of earth ditch and 0.5 mile of 6-inch pipe.	
DllN/12E-35Hl (Sheet 20)	B., A., and H. Harris	Tributary to Iowa Canyon	Irrig. Domestic	B acres by furrow (b)	Not meas.	Niparian	1	1	Prior 1900	Gravity; 0.3 mile of earth ditch.	Area irrigated received supplemental water purchased from El Dorado Irrigation District.
D12N/9E-13D1 (Sheet 14)	E. A. Long	Tributary to Penobscot Greek	Recr.	Fishing	Not meas.	(e)	1	ı	1953	Storage; earth dam 10 feet high, 100 feet long.	
D12N/95-14A1 (Sheet 14)	E. A. Long	Penobacot Greek	Irrig. Stock. Recr.	15 acres by sprinkler 475 head Fishing	17	(0)	1	1	1952	Storage and pump; earth dam 30 feet high, 250 feet long, with 5 hp electric motor and 0.3 mile of 5-inch pipe.	
D12N/95-16J1 (Sheet 14)	Lawrence Niegel	Black Mock Greek	Irrig.	30 acres by furrow	4	Approp.	145 af .090 cfs .15 cfs	A-13521 ^a A-12999 ^a	1946	Storage and gravity; earth dam 10 feet high, 250 feet long, with 0.6 mile of earth ditch.	water Right Application No. 13521 assigned to Bernice and Ralph Boven 4/16/62 and Application No. 12999 partially assigned to Bernice Bowen 11/9/60.
Dl2N/9E-16K1 (Sheet 14)	Lawrence Niegel	Tributary to Black Rock Greek	lrrig. Stock.	26 acree by flooding 50 head	\$	Approp.	Je 07	A-13520 ⁸	1947	Storege and gravity; earth dam 25 feet high, 300 feet long, with 0.25 mile of earth ditch.	
* See nemerke.											

^{*} See remarks.
** For dditional information see Appendix D, "Detailed Descriptions of Certain Surface Water Diversions".
*- Information not swallable.
For lattered footnotes, see last page of table.

TABLE 6 (Continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN

AMERICAN RIVER HYDROGRAPHIC UNIT

Remorks			Application No. 13521 assigned to	Bernice and Ralph Bowen 4/16/62.	Application No. 12999 partially assigned to Bernice Bowen 11/9/60.	Former owner: M. B. Abrams.		Weter right also in name of Gordon Maddox; W. and A. Santos; R. C. and S. V. Dalby.					
	Description of diversion system		Storage and gravity: earth	dam 55 feet high, 450 feet long, with 360 feet of 12-inch pipe to earth ditches. Storage capacity: 160 of	Gravity; emall spreader ditchee.	Storage and pumps; earth dam 40 feet high, 340 feet long, with 15- and 30 hp electric motors and 0.3 mile of 10-inch pipe. Storage copacity: 120 af	Gravity; concrete dam 8 feet high, 40 feet long, with 0.5 mile of concrete and earth ditch.	Pump; 1.5 hp electric motor with 350 feet of 1.5-inch pipe.	Pump; two 1-inch pumps with 100 feet of 2-inch pipe to small storage tank.	Storage and gravity; earth dam 32 feet high, 350 feet long, with a O.S mile of 3-, 6-, and 12-inch pipe. Storage capecity: 110 af	Gravity; 0.3 mile of earth ditch with small relift pump.	Storege and gravity; earth dam 10 feet high, 125 feet long, with 1.5-inch sprinkler pipe. Storege capacity: 36 af	Storage; three earth dame (1) 35 feet high, 175 feet long; (2) 15 feet high, 150 feet long; (3) 25 feet high, 210 feet long. Storage capacity: 25 af
Indicated date of	oppro- priotion or first use		6761	6464	1947	1943	1851	1943	1953	1950	1957	1958	1958
right	Reference	(Continued)	13521	700	A-12999ª	A-10731 ^a A-13123 ^a	1	A-10700 ^a	1	A-13644ª	1	A-18189 ^a	A-18512 ⁸
Apparent water right	Amount		17.5 p.f.		.090 cfs	49 af 0.92 cfs 52 af	1	0.46 cfe	1	110 af	ı	36 R	0.075 cfa 25 af
	Туре	SUBUNIT	4 norma	dorddy	Approp.*	Approp.	Approp.	Approp.*	Riparian	Approp.	Riparian	Approp.	Approp.
	Amount diverted in ocre-feet	COLOMA	77	3	Not mess. Approp.*	Ħ	£3	Not meas.	Not meas. Riparian	102	Not mese.	Not meas.	Not meas. Approp.
Water use in 1960	Extent and method of use	_ 3	0	to acree	9 acres by flooding 50 head	50 acree by sprinkler 100 head Flehing	36 acree by flooding	7 acres by sprinkler Not meas. Approp.*	Concentrate Table and Mill	22 acres by sprinkler 25 head Fishing	16 acree by sprinkler Not mese. Riparlan 20 head	5 acree by sprinkler Not meas. Approp.	Trout hatchery
	Purpase		i i	Stock.	Irrig. Stock.	Irrig. Stock. Recr.	Irrig.	Irrig. Domestic	Mining	Irrig. Stock. Recr.	Irrig. Stock.	Irrig.	Fish Gulture
Source			Tributary to Black	Rock Greek	Black Rock Creek	Black Rock Greek	Greenwood Creek	Poverty Creek	Poverty Creek		Springe tributary to Irrig. Traverse Creek Stock.	Tributary to Coloma Irrig.	Alton W. and Myrle J Tributary to Fegleg Fish Rumpel Greek
Oiversion nome ond/or owner			bra [enell another	Bernice Bowen	Lawrence Niegel	Richard M. Miller	Byron and Francis Bacchi	W. L. and Virginia Fick	W. L. Fisk	Fred G. Ostemwieder Manhattan Greek	H. D. Price	LeRoy and Jewell Kahl	Alton W. and Myrle J. Rumpel
Diversion location and Piate 2 sheet number			M D B & M	(Sheet 14)	312N/9E-21H1 (Sheet 14)	DI2W/9E-33L1 (Sheet 14)	D12N/9E-34L1 (Sheet 14)	147,10E-17D1 (Sheet 14)	D12N/10E-17D2 (Sheet 14)	DIZM/10E-ZZM1 (Sheet 14)	D12N/10E-24K1 (Sheet 14)	DIZW/10E-28B1 (Sheet 14)	D12W/11E-18P1 (Sheet 15)

* See remarks.
** See remarks.
** See Additional information see Appendix D, "Detailed Descriptions of Certain Surface Weter Diversions".
** Information not srailable.
For lattered footnotes, see last page of table.

-50-

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN AMERICAN RIVER HYDROGRAPHIC UNIT TABLE 6 (Continued)

Diversian name	a me			Water use in 1960	†GEORGA	Арр	Apporent water right	rght	Indicated date of appro-	Description of	
awner Source	Source		Purpose	Extent and methad of use	Amount diverted in acre-feet	Туре	Amount	Reference	printian or first use	diversion system	Remorks
				9	COLOMA SUBUNIT	เทกฮกร	T (Confinued)	(penul			
									•		
H. D. Price Spring tributary to I Bear Creek		HO	Irrig. Stock.	23 acree by sprinkler Not meas.	Not meas.	(c)	1	1	1955	Storage and pump; earth dam 22 feet high, 400 feet long, with 5 hp electric motor and 0.3 mile of 3-inch pipe.	
Summerfield Ditch Slab Greek Ir Hosoulto District Housel Water Ir Company State BB STAE BB STATE BB STATE BB STATE BB STATE BB STATE BB STATE BB ST		1 2823	Irrig. Indust. Bomestic Stock. Recr.	115 ecres by flooding Not meast Appropare and eprintler Lumber mill 500 head Rabing, swimming and Posting.	Not negat	Approp.	ı	1	1858	Gravity; timber dam 1.5 feet high, 10 feet long, with 20.4 milee of earth ditch.	Former owners: English Mining Company; James W. Summerfalely diveferor States Gas and Electric Company and Peatific Gas and Electric Company. Portion of amount diverted supplemented OllWillE-16Q1 (Funon Reservoir) for recreational use.
Chiquite Lake Rock Creek Recr. Neel D. and inez I. Smith		Sec.		Swimming and fiehing	Not meas.	<u> </u>	1	ı	1932	Storage; earth dam 35 feet high, 270 feet long. Storage capacity: 34 af	Former owner: Chiquite Land Development Company.
					FOL	FOLSOM SUBUNIT	UBUNIT				
Folsom Reservoir American River Export United States Bureau of Relamation		Expor		Swimming, beating and fishing	1,618,665* Approp*	Approp.*	60 cfs	Page 24, Book 177 of	1850	Storage and gravity; concrete and earth am 280 feet high, 1,400 feet long, with 8,200 feet of earth filled wing	Amount diverted is export water released from Polsom Reservoir for irrigation, manicipal, domestic, industrial and power use in the Secramento and San
						Approp.	35 cfs 8,000 cfs	Deedse A-5830 ^a A-13370 ^a	1928	WALLS.	Joaquin Valley Liber area. Water righte listed include two prior and one subsequent appropriative righte by Netonase Water Company and San Juan
						Approp.	700 cfs	A-13371	1949		Suburban Water Dietrict. Other fil-
						Approp.	8,000 cfs	A-13372 ^a A-14662 ^a	1949		Reclamation are applicable to releases of water subsequent to censtruction of Foleom Dam.
Edwin W. Greenhalgh Springs tributery to Irrige Green Spring Stock.		Irri		ll acres by flooding	Not meas. Riparian	Riparian	1	!	About 1860	Gravity; direct diversion from developed springs to a small earth ditch.	Former owner: Dormenti Estate,
Gordon H. Garland Pilet Creek Irris.		Irri	.00 •	42 acres by sprinkler*	ä	Approp.	2.5 cfs 12 af	A-13233ª	1949	Storage and pump; earth dam 20 feet high, 110 feet long, with 15 hp electric motor and 0.2 mile of 6-inch pipe. Storage capacity: 12 af	Ares irrigated received supplemental water purchased from Georgetown Divide Public Utility Dietrict.
Jos P. Kelley Tributary to Folson Irr iteservoir Sto		Irr	Irrig. Steck.	8 acres by sprinkler 25 head	69	(9)	ı	1	ı	Pump; 15 hp electric motor with 0.4 mile of 4-inch pipe.	
Monte rio Pipe Pacific Gas and Electric Company	*		(e)	*	189	E	*	②	*	Gravity; 1.0 mile of pipeline with 1.7 ofs capacity.	Import from Yube-Bear Rivere Hydrogaphic Unit. Lateral of Boardman Ganal System, Water use and water right data reported under OITW/ILE-36DI (Boardman Canal),**
			1								

^{*} See remarks.
** Stor Adstribution as Appendix D, "Detailed Descriptions of Cartain Surface Water Diversions".
*- Information not evaliable.
*- Por lettered footnotes, see last page of table.

TABLE 6 (Continued)
DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
AMERICAN RIVER HYDROGRAPHIC UNIT

		,	_												
	Remorks					Import from Yube-Bear Rivers Hydro- graphic Unit. Lateral of Boardman Canal System. Water use and water right data reported under DITM/LIE- 36DI (Boardman Canal).**	Import from Yuba-Bear nivers Hydro- graphic Unit. Literal of Boardman Canal System, Water use and water right data reported under DIYM/llb- 36DI (Boardman Canal),**	Area irrigated received supplemental water purchased from Georgetown Divide Public Utility District.	Amount diverted supplemented DI2N/SB- 25bl.	Area irrigated received supplemental water purchased from Georgetown Divide Public Utility District and a supplemental supply from DI2N/8E-25Al.	Area irrigated received supplemental supply from D12M/SE-52A2.	Amount diverted supplemented Dl2N/8E-32Al.			Area irrigated received supplemental water purchased from Pacific Gas and Electric Company.
	Oescription of diversion system				Storage and pump; earth dam 25 feet high, 250 feet long, with 7,5 hp electric motor and 165 feet of 4-inn pipe. Storage capacity: 25 af	Gravity; 5.4 miles of concrete canal with 6.5 cfs capacity.	Gravity; 0.5 mile of concrete canal with 1.0 ofs capacity.	Storage and pump; earth dam 18 feet high, 200 feet long, with 15 hp electric motor and 250 feet of d-inch pipe. Storage capacity; 26 af	Storage and gravity; concrete dam 20 feet high, 200 feet long.	Storage and pump; earth dam 24 feet high, 300 feet long, with 10 hp electric motor and 400 feet of 4-inch bire. Storage capacity; 30 af	Gravity; concrete dam 10 feet high, 10 feet long, with 0.1 mile of earth ditch.	Pump; gasoline engine with short earth ditch.	Pump; 5 hp electric motor with 400 feet of 4-inch pipe and 400 feet of earth ditch.	Gravity; concrete dam 4 feet high, 12 feet lons, with 400 feet of 4-inch pipe to earth ditch.	Pump; gasoline engine with 0.4 mile of earth ditch.
Indicoted dote of	oppro- priation or first use				1952	②	*	1949	1950	1951	1853	1853	1850	About 1850	About 1900
right	Reference		nued)		A-15028 ^a	£	*	A-13103ª A-14165ª	A-13629ª	A-14515ª	١	ŀ	ı	1	1
Apporent water right	Amount		(Continued)		25 af	*	*	4 af 22 af	30 af	Je 47	1	1	1	l	1
App	Туре		UBUNIT		Approp.	*	.	Approp.	Approp.	Арргор.	Approp.	Approp.	Riparlan	Riparian	Riparian
	Amount diverted in ocre-feet		FOLSOM SUBUNIT		Not meas.	3,427	526	204	*	3	Not meas.	Not meas. Approp	Not meas.	Not meas. Riparian	Not meas.
Water use in 1960	Extent and method of use		입		6 acres by flooding 80 head	*	*	34 acres by flooding*	*	lB acres by flooding*	19 acres by flooding* Not meas.	*	4 acres by flooding	4 acres by flooding	10 acres by flooding* Not mess. Riparian
	Purpose				Irrig. Stock	€	€	Irrig. Stock	Irrig.	Irrig.	Irrig.	Irrig.	Irri g.	Irrig.	Irrig.
	Source				Salt Greek	*	*	Knickerbocker Greek	Knickerbocker Creek	Knickerbocker Greek	Tributary to American River	Tributary to American River	Tributary to American River	Tributary to American River	Tributary to American River
	owner				William J. and Ruth E. White	Shirland Canal Pacific Gas and Electric Company	Gaylord Cenel Pacific Gas and Electric Company	L. J. and E. Belle Esper	Audolph and Ora Niegel	Mudolph and Ora Niegel	N. E. Threikel	N. E. Threlkel	J. E. Van Riper	J. E. Van Riper	H. E. Crosthwaite
Oiversion	sheet number			M 0 8 & M	D12N/8E-13R1 (Sheet 14)	Dl2N/GE-15Pl (Sheet 14,) (Import)	D1 2N/85-20Q1 (Sheet 14) (Import)	D12N/8E-24J1 (Sheet 14)	.Dl2N/8E-25Al (Sheet 14)	012N/8E-25B1 (Sheet 14)	D12N/8E-32A1 (Sheet 14)	D12N/8E-32A2 (Sheet 14)	012N/SE-32H1 (Sheet 14)	012N/SE-32H2 (Sheet 14)	D12N/8E-32J1 (Sheet 14)
			-												

See remarks.
 For additional information see Appendix D, "Detailed Descriptions of Gertain Surface Water Diversions".
 For information not evaluable.
 For lettered footnotes, see last page of table.

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN TABLE 6 (Centinued)

AMERICAN RIVER HYDROGRAPHIC UNIT

Oiversion				Woter use in 1960		Арр	Apporent woter right	right	Indicated date of		
location and Plate 2 sheet number	Oiversion nome ond/or owner	Source	Purpose	Extent and method of use	Amount diverted in ocre-feet	Type	Amount	Reference	appra- priation ar first use	Description of diversion system	Remarks
				FO	FOLSOM S	SUBUNIT	(Continued)	nued)			
MDB&M											
D12N/BE-32F1 (Sheet 14) (Import)	South Canal Facific Gas and Electric Company	②	©	€	136,735*	€	€	<u> </u>	1919	Gravity; 0.9 mile of concrete lined canal.	Import from Yube-Bear Rivere Hydro- graphic Unit. Lataral of Bear River Ganal System. Amount diverted for use in Seramento Vallar Picco Hydrographic Unit. Water right data reported under
											DISN/9E-22QI (Bear River Canal, Yuba- Bear Rivere Hydrographic Unit).**
DIZN/BE-33N1 (Sheet 14)	Nioma Borreon Malcolm McAulay	Tributary to Mormon Ravine	Irrig.	12 acres by sprinklar	Not meas.	Riparian	1	1	Prior 1950	Pump; 5 hp electric motor with a 4-inch pipeline.	
D12N/BE-34D1 (Sheet 14)	Charles M. and Gail Muskavitch	East Branch Mormon Ravine	Irrig.	21 acres by oprinkler	Not meae.	Approp.	25 cfe	A-15785ª	Prior 1945	Aump; rock and timber dam 6 feet high, 85 feet long, with 10 hp electric motor and 0.2 mile of 4-inch pipe.	
D12N/9E-31N1 (Sheet 14)	Lon Denison	Tributary to Pilot Greek	Irrig.	B5 acres by eprinkler	Not meas. Approp.	Approp.	57 af	A-13576 ^a	1950	Storage and pump; aarth dam 35 feet high, 905 feet long, with 7.5 hp electric motor and 0.2 mile of 6-inch pipe. Storage capecity: 90 af	Former owner: Ralph E. Ensler, Area irrigated received supplemental water purchased from Georgetown Divide Public Utility Dietrict, water right in name of Charlee M. Singer.
					FORES	FORESTHILL	SUBUNIT	<u> </u>			
D13N/9E-4L1 (Sheet 11)	C. Brunkhorst	Tributary to Clipper Greak	irrig. Stock	12 acres by sprinkler 10 head	Not meas.	(°)	1	ı	1924	Pump; 3 hp motor with a 2-inch portable pipeline.	
D13N/9E-9Gl (Sheat 11)	California Province of the Society of Jesus	Tributary to Clipper Greek	Domestic Recr.	(b) Swimming and flahing	Not meae.	Approp.	100 af	A-14229ª	1951	Storage; earth dam 28 feet high, 190 feet long and earth wing dam 30 feet high, 190 feet long. Storage capacity: 81 af	Former owner: Raymond Boole, Water right in name of Our Lady of the Oake, a California Corporation.
013N/9E-31E1 (Sheet 11)	Lake Clementine California Debris Commission	North Fork American River	Debrie Control Recr.	Storage of mine tail- ings Boating, swimming and flehing	Not meae.	<u> </u>	I	ı	1937	Storage and gravity; concrete arch dam L/7 feet high, 620 feet long. Storage capacity: L,600 af	
014N/95-10Pl (Sheet 8)	Virginia Delaindico	Bunch Canyon	Irrig.	ll acres by flooding	Not meae.	Approp.	1	ı	1870	Gravity; wooden flaeb board dam 2 feet high, 12 feet long, with 500 feet of 8-inch pipe.	Former owner: Matte.
(Sheet B)	John H. Llenau	Live Oak Creek	Fleh Culture	1	Not meas. Approp.	Approp.	11.6 af	A-13160ª	1949	Storage; two earth dams (1) 15 feet high, 350 feet long and (2) 12 feet high, 150 feet long.	

See remarks.
 Forbillo Descriptions of Certain Surface Nater Diversions".
 Information not evaluable.
 For lattered footnotes, see last page of table.

TABLE 6 (Continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN

AMERICAN RIVER HYDROGRAPHIC UNIT

	Hamorks				Area irrigated received supplemental supply purchased from Pacific Gas and Electric Company.	Former owners: Mayflower, Finning. Supplies community of Foresthill jointly with DiAM/lie-801, DiAM/lie-17F1.	,	Use reported is gerved jointly with OLAN/10E-35D.	Amount diverted served jointly with DIAN/10E-34Al.		Supplies community of Forestill jointly with DI4N/10E-2411, DI4N/11E-17Cl and DI4N/11E-17F1.	Supplies community of Foresthill jointly with DiAN/105-2411, DiAN/11E-801 and DiAN/11E-17F1.	Supplies community of Foresthill jointly with DLM/NDS-ZLL, DLM/NDS-ZLL, DLM/NDS-ZLL, DLM/NDS-In man of buited States Tance National Forest,	Import from Yuba-Bear Rivers Bydrograph Unit. Lateral of Boardman Canal System. Water use and water right data reported DI?N/11E-36DI (Board- man Canal).**
	Oescription of diversion system			Storage; earth dam 25 feet high, 300 feet long. Storage capacity: 17 af.	Storage and gravity; sarth dam 12 feet high, 300 feet long, with 300 feet of 3;inch pipe.	Gravity; 1.3 miles of 3-inch pipe to booster pump and 0.2 mile of 2.5-inch pipe to storage tank.	Pump; 7.5 hp electric motor with 0.3 mile of 3.5-inch pipe to small pond.	Storage and pump; earth dam 30 feet high, 180 feet long, with 7.5 hp mater and 700 feet of 4-inch pipe,	Storage and pump; earth dam 25 feet high, 200 feet long, with small electric motor and 0.2 mile of 6-inch pipe to mill pond.	Gravity; earth dam 2 feet high, 15 feet long with 0.6 mile of 4-inch pipe.	Gravity; concrete dam 5 feet high, 20 feet lang, with 3.7 miles of 6-inch pipe.	Nump; small earth dam with 7.5 hp electric motor and 200 feet of 4-inch pipe to 6-inch main pipeline.	Gravity; three concrete boxed springs with 650 feet of 4-inch pape to boaster pump with 80 feet of 4-inch pipe to 6-inch main pipeline.	Gravity; 1.0 mile of pipe with a capacity of 1.0 cfs.
Indicated dote of	oppro- priotian or first usa			1956	1954	Prior 1914	1953	1952	1949	1945	1953	1954	1937	€
right	Reference	(Continued)		A-174118	1	1	A-15522 ⁸	A-18590 ⁸	A-18590	1	1	ł	A-8928	*
Apparent water right	Amaunt			20 af	1	I	0.63 cfs	0.89 cfs 18.1 af	0.89 cfs 18.1 af	1	1	1	Not meae? Approp.* 0,0077 cfs	€
App	Type	SUBUNIT		Approp.	(e)	Approp.	Approp.	Approp.	Approp.	<u></u>	Riparian	Approp.	Approp.*	.
	Amount diverted in acre-feet	 FORESTHILI		Not mess. Approp.	Not meas.	Not meas.	Not meas.	Not meas.	Not meas. Approp.	Not meas.	Not meas; Riparian	Not meast Approp.	Not meae	252
Woter use in 1960	Extent and method of use	FOR		Fishing	5 scres by sprinkler* Not meas. Garbage processing 50 head	220 connectione*	50 head	Mill pond and boilers Not meas. Aprrop.	€ 1	Mili boilere	(*)	②	(*)	*
	Purpase			Recr.	Irrig. Indust. Stock	Munic.	Stock	Indust. Fire prot.	Indust. Fire prot.	Indust. Fire prot.	Munic.	Munic.	Munic.	*
	Saurce			Brushy Creek	Springs tributary to Brushy Creek	Nick Welsh Springs	Owl Creek	Devile Canyon Greek	Devils Canyon Greek	Tributary to Cottage Home Greek	Mill Greek	Mill Greek	Temperance Greek	•
	Oversion name and/or owner			E. B. and Thereea C. Markovich	Drummond Hulbert	Forestill Public Utility District	Brian B. and Emma M. Hughee	Stockton Box Company	Stockton Box Company	Nughes Brothere	Foresthill Public Utility Dietrict	Foresthill Public Utility District	Foresthill Public Utility District	Colfax Pipeline Pacific Gae and Eletric Company
Oiversion	location and Plate 2 sheat number		MDBGM	DLAN/9E-27Hl (Sheet 8)	Dlin/9E-27Nl (Sheet 8)	014N/10E-24L1 (Sheet 8)	014N/10E-31Q1 (Sheet 8)	014N/10E-34A1 (Sheet 8)	014N/10E-35D1 (Sheet 8)	OldN/llE-64D (Sheet 8)	OLUN/11E-801 (Sheet 8)	014N/11E-17C1 (Sheet 8)	014N/11E-17F1 (Sheet 8)	Dl5N/9E-27Rl (Sheet 5) (Import)

^{*} See remarks.
** For additional information see Appendix D, "Detailed Descriptions of Certain Surface Water Diversions".
** Information not sealiable.
For lettered footnotes, see last page of table.

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TABLE & (Continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN

AMERICAN RIVER HYDROGRAPHIC UNIT

	Remorks				Pormer owners: Jamsson; Mrs. Dick Eddy; T. L. Schwab. Supplies community of Iows Hill, Amount diverted received supplemental supply from Disk/lik- I/Ul (81g Reservoir) vis McGlachin Ditch.			Amount diverted supplements community of love Hill during summer.	Former owner: Central California Electric Company, Extent of use reported under DITM/ILE-56D (Boardman Canal), Amount diverted 1s flow by-passing DiGM/ILE-21E, (Towle Canal) and exported for use in Tuba-Bear Rivers Mydrographic Unit.**	Pormer owner: Dr. Taylor, Weter right also is in name of Mrs. Ralph Lyon and Hood Brothers.	Former owner: Central Californie Electric Company. Extent of user- reported under DITM/112-56D1 (Board- man Canal). Amount diverted includes amounts imported by Beartman Canal and from Drum Porebay, and are then exported for use in Yube-Bear Hivers Hydrographic Unit.**
	Description of diversion system			Gravity; e short 3-inch pipe-	Grevity; small earth and rock dam with 2.D miles of sarth ditch.	Gravity; small earth dam with 1.0 mile of earth ditch.	Gravity; small sarth ditch.	Storage and gravity; earth dam 44 feet high, 835 feet long, with 10.4 miles of earth ditch. Storage capacity: 2,200 af	Gravity; concrete dam 20 feet high, 50 feet long, with 1.2 miles of earth ditch.	Gravity; 0.6 mile of earth ditch.	Gravity; concrete dam 4 feet high. B feet long, with wood flashboards and 4.2 miles of earth ditch.
Indicated date of	appra- priotion or first use			Prior 1914	About 1850	1938	Prior 1951	About 1860	About 1902	1926	1904
right	Reference	(Continued)		1	1	ı	A-14193	1	1	A-5214	1
Apparent water right	Amount			1	ı	1	D.D3 cfe	1	1	0,32 cfs	1
App	Type	SUBUNIT		Alparian	Арргор.	<u> </u>	Approp.	Approp.	©	Approp.	Арргор.
	Amount diverted in ocre-feet	FORESTHILL		Not meas.	Not meas.	None	Not meas.	*177	84.7*	Not meas.	16,550*
Water use in 1960	Extent and method of use	FOR		7 acres by flooding	11 connections*	(b) Placer	9 acres by flooding	Placer (*)	©	10 acres by flooding and sprinkler Swimming	•
	Purpase			Irrig.	Domestlo	Domestic Mining	Irrig.	Mining Domestic	Export	Irrig.	Export
	Saurce			Springs Tributary to Canyon Creek	Indian Creek	Tributary to North Fork American River	North Shirttail Canyon	Tributary to Forbes Creek	Canyon Creek	Canyon Greek	Canyon Creek
	Diversion name and/or awner			Frank Murray	Macy's Ditch W. S. Macy Estate	Amile Aperman Harold Dueve F. H. R. Sturmfeder	United Statee Tahoe National Forset	Big Reservoir McGlechin Flecer Cold Mining Company	Pulp Will Canal Pacific Gas and Electric Company	Earl and Grace F. Morton	Towle Canal Pacific Gas and Electric Company
Diversion	lacation and Plate 2 sheat number		MDB&M	D15N/1DE-2C1 (Shest 5)	D15N/10E-27K1 (Sheet 5)	D15N/11E-8C1 (Shest 5)	D15N/11E-9L1 (Sheet 5)	D15N/11E-17J1 (Sheet 5)	DisN/10E-36q1 (Sheet 3)	D16N/10E-36R1 (Sheet 3)	Di6M/llE-2lEl (Sheet 3)

See remarks.
 For additional information see Appendix D, "Detailed Descriptions of Certain Surface Water Diversions".
 Information not available.
 For lettered footnotes, see last page of table.

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN AMERICAN RIVER HYDROGRAPHIC UNIT

	Remorks		Former owners: South Yuba water Company, Central Callfornia Blectric Company, Boardan Canlonia Blectric Company, Boardan Canal Imports at 106N/112—16M from Yuba-Bear Kivers Nydrographic Unit. Stream flow of Bear. River augmented by South Yuba Canal. In addition to reported amount of verted supplemental supply is received from INSN/112—212 (Towle Canal), Pithan Havine and Bear River Canal), Pithan Havine and Bear River Canal, Reported area thrigated is that area irrigated within the Nydrographic unit by the Boardann Canal System. Municipal service totals about 2,750 connections.		Former owner: Walter Willey. Received emplemental supply from DiAN/llE-	Former owners: Willey, Sr., Walter Willey. Amount diverted supplemented DLAN/LE-3Cl.	Former owners: A. A. Gorman, O. B. Tillotson.		Former owners: August Davidson, F. C. Davidson.	Former owners: 'community of Last Chance, John F. Thompson Estate,
	Description of diversion system		Gravity; concrete dam 12 feet high; 60 feet long, with a main conduit system, 73.4 miles long; consisting of canal, flume, tunnel, pipeline and natural charmel section.		Gravity; small earth dam, with 1.2 miles of earth ditch and 300 feet of turnel.	Gravity; 1,500 feet of mine shaft.	Gravity; log dam 4 feet high, lo feet long, with 3.2 miles of earth ditch.	Nump; portable gas engine and tank truck.	Gravity; rock and concrete dam 10 feet high, 50 fest long, with 2.2 miles of earth ditch.	Gravity; rock and concrete dam 12 feet thigh, 60 feet long, with 2.9 miles of earth ditch and 0.3 mile of 24-inch penstock.
Indicated date of	appro- priotion or first use		1893		About 1872	About 1872	Prior 1932	1950	1897	About 1860
right	Reference	(Continued)	1	UNIT	1	ı	A-9133ª	A-13613 ⁸	I	A-1661BB
Apparent water right	Amount		ı	FRENCH MEADOWS SUBUNIT	1	1	3.0 ofe	0.1D cfs	1	4D cfs
App	Type	L SUBUNIT	14,370* Approp.	MEADO	Riparian	Riparian	Ардт ар. Арр гор.	Approp.	Арргор.	Аррго р.
	Amount diverted in ocre-feet	FORESTHIL	14,370*	FRENCH	Not meas. Riparian	Not meas# Alparian	Not meas.	Not meas.	4	263
Water use in 1960	Extent and method of use	_	1,661 acres* Undetermined number Abburn and Colfax 2,000 km Installed general capacity at Alta Powerhouse		Placer*	Placer	Placer (b)	Road construction and Not meas. Approp. maintenance	Placer -	Mydraulic
	Purpose		Irrig. Domestic Munic. Power		Fieh Culture Mining	Fish Culture Mining	Mining Power Dome etic	Indust. Fire Prot.	Mining	Minding
	Source		Bear River*		Tributary to West Branch El Doredo Canyon	Spring tributary to West Branch El Dorado Canyon	Peavine Greek	Spruce Greek	Spruce Greak	Grouse Greek
Š.	Diversion name ond/or owner		Boardman Ganal Pacific Gas and Electric Company		L. L. Anderson	L. L. Anderson	Arna M. Edwarde Clare O. Holetrom Erma M. Nughee Edna C. Marehall Frances N. Rechermacher Marvin Tilloteon	Stockton Box Company	Pine Nut Ditch Davideon Brothere	Pacific Slab Mine Dave Nughes W. E. Wileon
Diversion	lacotian and Plate 2 sheet number	M D B & M	N7W/11E-36D* (Sheet 1) (Import)		DLN/11E-3G1 (Sheet B)	DIAN/11E-10G1 (Sheet 8)	(Sheet 9)	D14N/13E-8M1 (Sheet 9)	(Sheet 9)	D15N/12E-35G1 (Sheet 6)

* See remarks.
** For additional information see Appendix D, "Detailed Descriptions of Certain Surface Weter Diversions".
-- Information not evailable.
-- For lettered footnotee, see last page of table.

-56-

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN AMERICAN RIVER HYDROGRAPHIC UNIT TABLE 6 (Continued)

Oiversion	Diversion name			Woter use in 1960		Appe	Apparent water right	right	Indicated date of		
	ond/or owner	Spurce	Purpose	Extent and method of use	Amount diverted in ocre-feet	Туре	Ambunt	Reference	oppro- priotion or first use	Oescription of diversion system	Remorks
				FRENCH MEADOWS	MEADO	WS SU	SUBUNIT ((Continued)			
	Ralph and J. J. Sturgill	Secret Canyon	Mining	Placer*	1115	Approp.*	8.0 cfs	A-6039 8	1926	Gravity; log and board dam 5 feet high, 16 feet long, with 5.0 miles of earth ditch.	Former owners: Pendieton Brothers. Received supplemental supply from DisN/12-781, Water right assigned to Canada Hill Cold Mining Company.
	Ralph and J. J. Sturgill	Antoine Canyon	Mining	*	None*	1	1	1	About 1926	Gravity; small rock and gravel dam, with 2 mile of earth ditch to ditch from Di5N/ 138-540.	Former owners: Pendleton Brothers. Amount diverted normally supplements DISN/13F-5ML.
					GREE	WOOD	GREENWOOD SUBUNIT	<u> </u>			
D12N/9E-6Q1 (Sheet 14)	Diamond Springs Lime Company	Middle Fork American River	Mining Indust.	Operates drills, com- pressors, etc. Lime manufacturing and processing	Not meas. Approp. Approp.	Approp.	0.13 cfs 0.13 cfs	A-17370ª A-17371ª	1956	Pump; 15 hp electric motor with 640 feet of pipeline to 10,000 gallon storage tank.	
Olen (Sheet 14)	Georgetown Divide Public Utility District	Tributary to Illinois Canyon Greek	Irrig.	3	10*	(9)	ı	1	1953	Pump; 10 hp electric motor with 80 feet of 8-inch pipe.	Amount diverted supplements DIZN/12E-12PL (Georgetown Divide Ditch).
013N/9E-13N1 (Sheet 11)	John D. Francisco	Ges Canyon	Mining	Hydreulic	Not meas.	Approp.	ı	ı	About 1870	Gravity; 0.3 mile of earth ditch and 0.4 mile of 6-inch pipe.	
013N/9E-14A1 (Sheet 11)	Kathryn and Marlon C. Roan	Springs tributary to Gae Canyon	Irrig. Domestic Stock Recr.	4 acree by sprinkler (b) 20 head Swimming	Not meas.	Riperien	1	ı	Prior 1927	Pump; concrete dem 6 feet high, 20 feet long, with 2 hp electric motor and 700 feet of 1.5-inch steel pipe.	Former owner: R. A. Walker
Dl3N/9E-35Jl (Sheet 11)	R. L. Gordon Dorotea Swanson	American Canyon	Irri 8.	9 acres by flooding	Not meas, Approp,		0,13 cfs	A-17203 ^a	1956	Gravity, rock and earth dam 2.5 feet high, 20 feet long, with 100 feet of 10-inch pipe and 0.3 mile of earth ditch.	Former owner: Albert Niegel.
D13N/10E-4K1 (Sheet 11)	Nerman Luccini	Spring tributary to Todd Greek	Irrig. Domestic	3 acres by furrow (b)	Not meas.	Riperian	1	ı	1870	Gravity; earth dam 8 feet high 25 feet long, with 300 feet of earth ditch.	Former owners Otis Miller
D13N/10E-5F1 (Shest 11)	Willard L. Harvey Stanley D. Murphy	Spring Garden Ravine	Irrig.	•	Not meas.	<u> </u>	1	1	1960	Storage and pump; earth dam 23 feet high, 34.2 feet long, with electric motor and 0.3 mile of 4-inch pipe.	Former owner: Southern Pacific Company. Formerly irrigated 69 acres. Area was dry farmed in 1960.
014N/11E-17J1 (Sheet 8)	L. L. Anderson	Tributary to Volcano Canyon	Irrig. Domestic Fish Fish	4 acres by flooding* 13 connections	Not meas.	Rparian	ı	1	1922	Gravity and pump; earth dam 3 feet high, 100 feet long, with 3 hp electric motor and 300 feet of 2-inch pipe to water panks.	Area irrigated received supplemental supply from a well.
See remerke.											

See remarks.
 See For additional information see Appendix D, "Detailed Descriptions of Certain Surface Water Diversions".
 Information not swallable.
 For lettered footnotes, see last page of table.

TABLE 6 (Continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN

AMERICAN RIVER HYDROGRAPHIC UNIT

	Remorks					Area irrigated received supplemental supply from a well. Amount diverted supplemente DLOW/9E-LODI.	Former owners: Etzal, Holden. Area irrigated received supplemental supply from a well.	Area irrigated received supplemental supply from DION/9E-9Al and a well.		Acreage reported was irrigated jointly with DION/9E-36Nl.	Amount diverted irrigated jointly with DioN/98-36ML.	Former owner: J. W. Csawell. Previously irrigated an additional lO acres, which were idle in 1960.	Area irrigated received supplemental water purchased from El Dorado Irrigation District. Previously irrigated an additional 2 acres, which were Adle in 1960.	Former owner: Clyde Wallaca	Former ownere: David Barr, Hal R, Berglund. Previously irrigeted 3 acres. Area was idle in 1960. Water right assigned to C. R. and G. M. Ouddy.
	Description of diversion system			Storage; earth dam 10 feet high, 350 feet long.	Storage and gravity; concrete and earth dam 18 feet high, 150 feet long with two earth ditches, Storage capacity: 50 af	Gravity; small earth dam, with 700 feet of 6-inch pipe.	Pump; 5 hp electric motor with 50 feet of 2-inch and 480 feet of 4-inch pipe.	Rump; 3 hp electric motor with 300 feet of 1.5-inch pipe.	Storaga; earth dam 20 feet high 400 feet long.	Pump; 2 hp electric motor with 400 feet of 6-inch plpe.	Storage and pump; earth dam 10 feet high, 200 feet long with 600 feet of 2.5-inch pipe.	Storage and pump; earth dam 7 fact high, 125 feet long, with 7.5 hp electric motor and short pipelins.	Storage and pump; sarth dam 30 feet high, 125 feet long, with 7.5 hp electric metor and 0.2 mile of 4- and 6- inch pipe, and 5- Storage capacity; 25 af	Storage and pump; sarth dam 35 feat high, 125 feet long, with 45 pp gasoline angine and 1.0 mila of 2-inch pipe. Storage capacity: 10 af	Storage and gravity; earth dam 16 feat high, 300 feet long, with 500 feet of 1.5-inch pipe.
Indicated date of	oppro- priation or first usa			1959	1926	1949	Prior 1900	1946	1953	1925	1925	About 1928	1948	1947	1925
right	Reference	ĪĪ		1	١	1	I	.1	A-15252ª	1	1	1	A-12875ª	A-12156ª	A-4514ª
Apporent water right	Amount	SUBUNIT		1	1	1	ı	ł	15 af	ı	1	1	25 af	10 af	0,18 cfs
App	Туре	PLACERVILLE		(e)	Riparian	Riparlan	Riparian	Riparian	Appro p.	Riparian	Riparian	Riparian	Approp.	Approp.	Approp.*
	Amount diverted in acre-feet	PLACE		Not meas.	Not meas.	Not meas,*	Not meas.	Not meas.	Not meas.	Not meas	Not meas. Riparian	Not meas.	Not meas.	Not meas.	Not meas. Approp.*
Woter use in 1960	Extent and method of use			1	7 acres by flooding Fishing	11 acres by flooding* Not mess,*Kiparlan	9 acres by sprinkler* Not meas. (b)	9 acres by sprinkler* Not meas.	22 head	7 acres by sprinkler* Not meas Riparian	**	6 acres by sprinkler* Not meas. 200 head Fishing	25 acres by sprinkler Wot mess. Approp. 10 head Fishing	17 acres by sprinkler Not meas. Approp. 230 head	Fishing (*)
	Purpose			Fish Culture	Irrig. Recr.	Irrig.	Irrig. Domestic	Irrig.	Stock	Irrig. Stock	Irrig. Stock	Irrig. Stock Recr.	Irrig. Stock Recr.	Irrig. Stock	Irrig. Recr. Domestic
	Saurce			Tributary to Weber Greek	Tributary to Weber Creek	Morman Navine	Spring tributary to Pinchem Creek	Morman Ravina	Kelley Creek	Spring tributary to Kelley Creek	Tributary to Kelley Greek	Cold Springs Creek	Cold Springs Greek	Tributary to Weber Greek	Tributary to Cold Springe Creek
	Diversion name and/or owner			Hector Williamson	Mector Williamson	Vinton R. Veerkamp	W. R. Lewis W. N. Roach	Vinton R. Veerkamp	Euell Y. Gray	Fred Wessels	Fred Wassels	John M. Caswell	Robert Lowell Lung	Florence B. Karr	S. F. Dening
Oiversion	locotion ond Plote 2 sheat number		MDB&M	D10N/9E-1J1 (Sheet 23)	010N/9E-1K1 (Sheet 23)	D10N/9E-9A1 (Sheet 23)	DION/9E-10C1 (Sheet 23)	D10N/9E-1001 (Sheet 23)	D10N/9E-25D1 (Sheet 23)	D10N/9E-36M (Sheet 23)	DloN/9E-36Nl (Sheat 23)	DION/10E-1M1 (Sheet 24)	010N/10E-2P1 (Sheet 24)	DION/10E-381 (Sheet 24)	DION/IOE-3NI (Sheet 24)

^{*} See remarks.
** See remarks.
** For additional information see Appendix D, "Detailed Descriptions of Certain Surface Water Diversions".
** Information not available.
** For lettered footnotes, see last page of table.

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DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN TABLE 6 (Continued)

AMERICAN RIVER HYDROGRAPHIC UNIT

	Remorks			rormer owners: Lincon of coals,		Former owners: Parker, Bob Ranch. Water right assigned to Jack W. and Marcelle Greene.	Former owner: Volo Mining Company. Supplied general mill use until 1957.	Pormer owner: Martin Schonberg, Area irrigated received supplemental water purchased from El Dorado Irrigation District,		Former owner: C. E. Curtis.		Area irrigated received supplemental water purchased from El Dorado Irrigation District.	
	Description of diversion system			Storage and pump; earth dam 20 feet high, 200 feet long, with 5 hp electric motor and 100 feet of 3-inch pipe.	Storage and pump; earth dam, 12 feet high, 175 feet long, with 8 hp gasoline engine and 0.2 mile of 2- and 3-inch pipe. Storage capacity: 20 af	Storage and pump; earth dam 36 feet high, 685 feet long, with 0.9 mile of 3-inch pipe and pump at end of pipeline. Storage capacity: 457 at	Storage and pump; earth dam 35 feet high, 335 feet long, with 3-inch pump and 0.7 mile of 6-inch pipe.	Storage and pump; earth dam 20 feet high, 500 feet long, with 3 hp electric motor and 0.2 mile of 4-inch pipe,	Storage and pump; 2 earth dams, (1) 8 feet htgs, 900 feet long, and (2) 10 feet htgs, 200 feet long, with 7.5 hp electric motor and 200 feet of 4-inch pipe.	Storage; earth dam 16 feet high, 300 feet long.	Storage; earth dam 25 feet high, 500 feet long. Storage capacity: 45 af	Storage and gravity; earth dam 15 feet high, 300 feet long, with 400 feet of 10-inch pipe. Storage capacity: 15 af	
Indicated date of	oppro- priotion or first use		į	1951	1951	1946	1949	1947	1954	1951	1947	1955	
right	Reference	(Continued)		1	A-14603ª	A-11588 ^a A-16368 ^a	A-13296ª	A-11836 ^a A-13592 ^a	1	ı	A-11689 ^a	A-16885ª	
Apporent water right	Amount			ı	15 af	195 af 300 af	148 af	13 af	1	1	Je 57	15 af	
App	Туре	E SUBUNIT	3	(e)	Approp.	Approp.	Approp.	Approp.	<u> </u>	(e)	Approp.	Approp.	
	Amount diverted in ocre-feet	PLACERVILLE	4	NOT meas.	Not meas.	Not meas,	Not meas.	Not meas.	Not meas.	Not meas.	Not meas.	Not meas.	
Water use in 1960	Extent and method of use	PLAC		o acres by eprinkier	lo acres by sprinkler Fishing	110 acres by eprinkler Not meas. 250 head	*	15 acres by sprinkler* Not mess,	4 screa by flooding and sprinkler 80 head	Swimming 10 head	40 head	18 acres by sprinkler Not meas. 130 head . Swimming	
	Purpose		Ī	LIFT 18.	Irrig. Recr.	Irrig. Stock	Mining	Irrig.	Irrig. Stock	Fish Culture Recr. Stock	Fish Culture Stock	Irrig. Fish Culture Stock Recr.	
	Source		Series of the se	to Cold Springs Creek	Tributary to Cold Springs Greek	Indlan Creek	indian Creek	Mound Springs Greek	Tributary to Slate Greek	Tributary to Dry Creek	Tributary to Slate Greek	Tributary to Slate Greek	
	Oiversion nome ond/or owner		Wanner William	HOGHTATTA COMBU	Robert Lowell Lung	Allied Capital Corporation	Hugh H. Smith Estate indian Creek	Stewart A. Marshal	Tony Paiva	Terresell Incorporated	E. B. Livingstone	William C. Fredericks	
Oiversion	lacation and Plate 2 sheet number		M D B & H	(Sheet 24)	(Sheet 24)	D10N/10E-18C1 (Sheet 24)	010N/10E-21A1 (Sheet 24)	010N/105-23@1 (Sheet 24)	DION/105-25E1 (Sheet 24)	010N/105-28L1 (Sheet 24)	DION/105-32J1 (Sheet 24)	Dlow/10E-3341 (Sheet 24)	

^{*} See remarks. ** For additional information see Appendix D. "Detailed Descriptions of Certain Surface Water Diversions". ** For introduction not evailable.

For lettered footnotes, see last page of table.

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
AMERICAN RIVER HYDROGRAPHIC UNIT

	Remorks			Area irrigated received supplemental water purchased from El Dorado Irrigation District and tailwater from DiOW,10E-33Al.			Former owners: Gold Hill Canal Company, El Dorsdo Water Composition, El Dorsdo Water Company. Flow of Nangtown Greek is augmented by upstream releases from El Dorsdo Ditch. Water use reported under DION/12E-18Q1(New Weber Ditch).**		Former owner: Sid Price. Previously irrigated 5 acres. Area was idle in 1960.		Area irrigated received supplemental amply from DioN/LLE-luc2. Water right in name of Fay M. Rupley Gumby.	Amount diverted supplemented DION/LIE- LICL. Water right in name of Fay M. Aupley Gunby.	Water right in name of Fay M. Rupley Gunby.	
	Oescription of diversion system			Pump; small sump and 1,5-inch pump with 500 fest of 2-inch pipe,	Storage and pump; earth dam 12 feet high, 200 feet long, with 5 hp elactric motor.	Pump; 1 hp electric motor with short pipelina.	Gravity; concrete dam 3 fest high, 15 feet inns, with 0.5 mils of 24-inch pipe and approximately 8.5 miles of concrete-lined canals.	Storage and pump; earth dam 25 feet high, 130 feet long, with 1,000 feet of natural channel and two 7.5 hp alectric pumps.	Storage and pump; sarth dam 14 feet high, 100 feet long, with 5 hp electric motor.	Storage; earth dam 15 feet high, 150 feet long.	Storage and gravity; earth dam 10 feat high, 150 feet long with 50 feet of 6-inch pipe.	Gravity; 1,000 fest of earth ditch and 4,600 feet of 2-, 4- and 6-inch pipe.	Storage and gravity; earth dam 24 feet high, 350 feet long with 1,300 feet of 6-inch pipe. Storage capacity: 25 af	Amp; 5 hp electric motor with 0.4 mile of 2-inch pipe.
Indicated date of	oppro- priotion or first use			1954	About 1924	About 1934	1853	About 1949	1	1947	1924	1958	1958	About 1900
right	Reference	(Continued)		1	1	A-13612ª	1	I	1	A-12149 ^a	A-18157ª	A-18158ª	A-18158 ^a	1
Apparent water right	Amaunt			1	I	0.033 cfs	1	1	1	10 af	0.22 cfs 105 af	0.18 cfs	25 af	1
App	Type	E SUBUNIT		Riparian	(c)	Approp.	3,580 Approp.	(e)	(i)	Approp.	Approp.*	Approp.*	Approp.*	Approp.
	Amount diverted in ocre-feet	PLACERVILLE		Not meas.	Not meas.	Not msas. Approp.	3,580	Not meas.	Not meas.	Not meas. Approp.	88	Not meas# Approp.*	Not meas.	Not meas. Approp.
Water use in 1960	Extent and method of use	PLAC		18 acres by sprinklar Not meas. Riparian 100 haad Swimming	19 acres by sprinkler Not meas.	9 acres by sprinkler	•	46 acree by sprinkler Not meas. Fishing	Flehing (*)	1	35 acres by sprinkler	20 head	11 acres by sprinkler Not mess, Approp,*	7 acree by sprinkler (c)
	Purpose			Irrig. Fish Culture Stock Recr.	Irrig. Recr.	Irrig.	€	Irrig. Recr.	Irrig. Recr.	Fish Culture	Irrig.	Irrig. Stock	Irrig.	Irrig. Domestic
	Source			Tributary to Slate Greek	Tributary to Hangtown Cresk	Dutch Mary Ravine	Hangtown Creek*	Dutch Mary Ravine	Tributary to Nangtown Creek	Tributary to Nangtown Creak	Tributary to Waber Cresk	Springs tributary to Webar Cresk	Tributary to Weber Crsek	Weber Creek
	ond/or owner			William C. Fredericka	Les Ench	Elonar Fossati	Gold Hill Ditch El Dorado Irrigation District	John Bisagno	John S. Hocking	Florence Lumsden	Pay M. fuplay	Fay M, Rupley	Pay N. Supley	Kai Peterson
Oiversion	ond and Plate 2 sheet number		M D B & M	DION/105-33C1 (Sheet 24)	D10N/11E-3P1 (Sheet 24)	DlON/11E-4N1 (Sheet 24)	DIOW/llE-7P1 (Sheet 24)	DioN/llE-8Al (Sheet 24)	DlON/11E-8G1 (Sheet 24)	DION/11E-9N1 (Sheet 24)	DION/11E-11C1 (Sheet 24)	DION/11E-11C2 (Sheet 24)	DION/115-11G1 (Sheet 24)	DioN/llE-13q1 (Sheet 24)

See remarks.
 See remarks.
 See Additional information see Appendix D, "Detailed Descriptions of Certain Surface Nater Diversions".
 Por interaction not srailable.
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DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN AMERICAN RIVER HYDROGRAPHIC UNIT TABLE 6 (Continued)

			Woter use in 1960		Appo	Apporent water right	right	Indicated date of		
	Source	Purpose	Extent and mathod of use	Amount diverted in ocre-feet	Type	Amount	Reference	appro- priation or first use	Oescription of diversion system	Remarks
			PLACE	PLACERVILLE	E SUBUNIT		(Continued)			
								_		
	Tributary to Weber Greek	Irrig.	15 ecres by sprinkler* Not mess. Approp.	Not meas.		0.022 cfs	A-12409®	1948	Pump; 1 hp electric motor with 600 faet of 2-inch pipe.	Area irrigated received supplemental water purchased from El Dorado Irrigation District.
	Weber Greek	Irrig.	262 acres*	1,377*	1,377e Approp.	й 07	Book of Water Rights, Page 69d	1862	Oravity, concrete dam 5 feet high, 50 feet long, with 6.2 milee of earth ditch.	Deep Carea Hands Company, Weber Deep Carea Data Company, Weber Greek Ditch Company, Darena Campany, and D. O. Wills and Company. Farmers Ditch is part of El Donalo. Irrigation Ditch distribution system. Reported area irrigated is in addition to acreage served by El Dorado Irrigat Lion District and reported under DONA/125-1811 (New Weber Ditch). Amount diverted includes water received from El Dorado Irrigation District.
v)	Squam Hollow Greek	•	②	4,354	Approp.	1	i	About 1852	Grevity; 4.5 miles of earth ditch.	Pormer owner: Diamond Hidge Water Company. Import from Cosummes— Mokelumme-Calaversa Hydrographic Unit. Water use reported under DION/12E-1801 (New Weber Ditch).**
F. Darlington Mre. Jamee Marshall	Weber Greek	ing.	L acres by flooding	Not meas. Riparian	Riparian	1	1	About 1850	Gravity, concrete dam 6 feet high, 80 feet long, with 150 feet of 10-inch pipe and 0.4 mile of earth ditch.	Pormer owner: Abraham Darlington.
	North Fork Weber Greek	Recr.	Fishing	Not meas. Approp.*	Approp. *	10 af	A-11463ª	1951	Storage; earth dam 12 feet high, 250 feet long. Storage capacity: 15 af	Water right in name of Max H. Noseit.
	Spring tributary to North Fork Weber Greek	Irrig. Domestic	21 acres by sprinkler* Not meas, Approp. (b)	Not meas.	Approp.	0.50 cfe	A-15489ª	1953	Pump; 1,5 hp electric motor with a short 3-inch pipe-	Former owners: John Howell, George Orey, Area irrigated received supplemental water purchased from El Dorado Irrigation District,
	Tributary to North Fork Weber Greek	Irrig. Stock	3 acres by flooding and sprinkler 12 head	Not meas.	(a)	1	ı	1940	Gravity; small earth dem with 100 feet of earth ditch and a short 2- and 3-inch pipeline.	Former owner: A. L. Matthews.
	(Jenkinson Lake)	€	€	19,519*	Approp.	11	A-13708 ^a A-13708 ^a	1955	Storage and gravity; earth and rock dam 172 feet high, 5.6 feet long, 44-foot 5.6 miles of 3- and 4-foot steel pipe and 0.5 mile of 7-foot tunnel. Storage capacity: 41,033 af	Import from Cosumnes-Mokelumne-Calaveres Nytographic Unit. Fater use reported under DION/12-821 (New Weber Ditch). Amount diversed delivered to El Dorado Irrigation District.**

^{*} See remarks.

* See remarks.

- See remarks information ees Appendix D, "Detailed Descriptions of Certain Surface Mater Diversions".

-- Information not evaluable.

For lettered footnotee, see Last page of table.

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN AMERICAN RIVER HYDROGRAPHIC UNIT TABLE 6 (Continued)

	Remorks		Former owners: El Dorado Water Company, El Dorado Water Corporation, and El Dorado Water Weer Association, Reported area trrigated is all lands served by El Dorado Errigated is all lands served by El Dorado Errigation Die- trict System, but excludes lands served by individual diversions which are supplemented by gurchased water	from the district. Freylously irrigated an additional 55 acrea. Area was idle in 1860. Serves community of Freseville and municipal area within Follock Pines Fublic Willity District. Amount diverted serves El Dorado Irrigation District jointly with DIOW/ILE-FP1 (Beam of Bitch). DIOW/ILE-IPP1 (Beam of Bitch), DIOW/ILE-IPP1 (Beam of Bitch), and DIIW/15E-29R1 (El Dorado Ditch).**			A contour ditch collecte runoff (foreign to reserval; waterbeed) for storage and diversion. Amount diverted irrigated jointly with DIM/9E-55R.	Acreage reported irrigated jointly with DIIN/9E-39L1.	Previouely irrigated an additional 7 acree. Area idie in 1960.	
	Oescription of diversion system		Storage and gravity; triple arch, concrete dam, 69 feet high, 375 feet long, with 9.0 miles of earth ditch. Storage capacity: 1,275 af		Gravity; 700 fact of 2-inch pipe.	Storage and gravity, earth dam 26 feet high, 626 feet long. Storage capacity: 19 af	Storage and gravity; earth dam 18 feet high, 400 feet long, with 130 feet of 6-inch pipe and 0.1 mile of 2-inch pipe to Lake Fountain. Storage capacity: 50 af	Storaga and gravity; earth dam 42 feet high, 240 feat long, with 0.1 mile of earth ditch and 0.2 mile of 3-inch pipe. Storage capacity: 220 af	Storage and gravity; earth dam 55 feet high, 425 feet long, with 0.8 mile of 2- and 6-inch pipe. Storage capacity: 225 af	Storage and pump; narth dem 24 feet high, 300 feet long, with 2 hp alectric motor and 0.3 mile of 5- and 6-inch pipe. Storage capacity: 42 af
Indicated date of	oppror priotion or first use		1924		1891	1956	1956	About 1926	1947 1950 1952	About 1946
ight	Reference	(Continued)	A-1692ª		1	A-17382ª	A-17398 ^a	1	A-11917 ^a A-13663 ^a A-14778 ^a	A-12475ª
Apporent water right	Amount		1,125 af		1	19 af	Je 6.94	1	0.03 cfe 75 af 150 af	Je 07
Арр	Type	ESUBUNIT	2,124* Approp.	,	Riparian	Approp.	Approp.	(S)	Approp. Approp. Approp.	Approp.
	Amount diverted in ocre-feet	PLACERVILLE	2,124*		Not meas. Riparian	Not meas. Approp.	Not meae. Approp.	Not meas.	Not meas.	77
Water use in 1960	Extent and method of use	PLAC	4,713 acree* 2,031 connections* 1,500 connections*		9 acres by flooding (b)	50 head Swimming and boating	(*) Fiehing	17 acres by flooding* Not mess. 90 head Boating, camping,	32 acres by sprinklar Not mess. Approp. Approp. (b) Approp. Approp. Approp.	II acree by furrow 12 head Fishing
	Purpose		Irrig. Munic. Domestic Indust.		Irrig. Domestic	Stock Recr.	Irrig. Recr.	Trig. Fish Culture Stock Recr.	Irrig. Fish Culture Domestic Stock	Irrig. Stock Recr.
	Source		North Fork Weber Creek		North Fork Weber Greek	Tributary to Weber Creek	Tributary to Weber Greek	Tributary to Weber Creek	Tributary to Weber Creek	Tributary to Weber Creek
	Oiversion name and/ar awner		New Weber Ditch El Dorado Irriga- tion District		George Browning	Walter N. and Marjorie Kurtz	Nector Williamson	Lake Fountain Hector Williamson	Nick J. Schubin	Leo A. Akin
Diversion	location and Plote 2 sheet number		H D B & M DION/12E-1801 (Sheet 25)		DION/13E-5M1 (Sheet 25)	D11N/9E-35B1 (Sheat 18)	DIN/9E-35L1 (Sheet 18)	D11N/9E-35R1 (Sheet 18)	D11N/9E-36F1 (Sheet 18)	D11N/10E-31Q1 (Sheet 19)

^{*} See remarks.
** For additional information see Appendix D, "Detailed Descriptions of Certain Surface Water Diversions".
*- Information not available.
For lettered footnotes, see Last page of table.

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN TABLE 6 (Continued)

AMERICAN RIVER HYDROGRAPHIC UNIT

	Remarks					Former owner: Pete 8kasgno.	\$7-11		Area reported irrigated is planted to Christmas trees.		Sorves "The Cedars" summer resort. area.		Former owner: tred Dronson.	
	Osscriation of diversion system			Storage and pump; earth dam 22 feet high, 260 feet long, with 5 hp electric motor and elnort pipeline. Storage capacity: 49 af	Storage and pump; earth dam 23 feet high, AUD feet long, with 10 hp electric motor and 0.2 mile of 6-inch pipe. Storage capacity: 80 af	Storage and pump; earth dam 8 feet high, 400 feet long, 7.5 hp electric motor and short pipeline.	Storage and pump; earth dam 36 feet high, 525 feet long, with 15 hp electric motor and 0.4 mile of 8-inch pipe, 83 af Storage capacity: 83 af		Grevity; concrete dam 2 feet high, 3 feet long, with 0.7 mile of flume and ditch.	Storage; concrete dam 20 feet high, 130 feet long.	Gravity; concrete dam with 0.6 mile of 1-inch pipe to arother small dam and 0.4 mile of 1.5-inch pipe to storege tanks.	Gravity and storage; concrete dam with 600 feet of earth ditch.	Storage; concrete dam 10 feet high, 20 feet long. Storage capacity: Estimated 800 af	
Indicated date of	appra- priation or first use			1947	1948	About 1946	About 1948		Prior 1870	About 1910	Abou t 1910	1951	1941	
right	Reference	(Continued)		A-12180 ⁸	A-12885 ⁶ A-13257 ⁸	1	A-13519 ^a	i	A-16517 ⁶	1	ı	1	1	
Apparent water right	Amount			Je 67	36 af	1	83 af	SUBUNIT	1.30 cfs	ŀ	1	1	1	
App	Туре	E SUBUNIT		Approp.	Approp.	(9)	Approp.	GORGE	Approp.	Approp.	Approp.	<u></u>	(0)	
	Amount diverted in acre-feet	PLACERVILLE		ព	Not meas. Approp.	Not meas.	Not mees, Approp.	ROYAL	Not meas.	Not mess.	Not meas. Approp.	Not mess.	Not mess.	
Water use in 1960	Extent and method of use	PLAC		9 ecres by sprinkler 200 head	26 ecres by furrow and sprinkler 200 head	10 acres by sprinkler Not mess. Fishing	24 scres by furrow*		9 acres by flooding* (b)	Swimming	90 connections*	Swirming, flahing, and boating	Swimming, fishing, and boating	
	Purpase			Irrig. Stock	Irrig. Stock	Irrig. Recr.	Irrig. Fish Culture		Irrig. Domestic Fire Prot.	Recr.	Domestic	Recr.	Recr.	
	Saurce			Tributary to Weber Greek	Tributary to Weber Greek	Tributary to Gold Springs Creek	Tributary to Weber Creek		Tributery to North Fork American River	North Fork American River	Cedar Creek	Soda Springs	Serens Greek	
	Oversion name and/or owner			L. W. Veerkamp	L. W. Veerkamp	Richard J. Wilkinson	Leon M. and G. Gastaldi		Donly Gray	North Fork Association	North Fork Association	Ouy G, and Ceorge W. Foulks	Ice Lakes Sterra Lakes Club	
Oiversion	tocation and Plats 2 shaat number		M D B & M	Sheet 19)	D11N/105-32L1 (Sheet 19)	011N/10E-3311 (Sheet 19)	Ollw/loE-33ML (Sheot 19)		016N/12E-26C1 (Sheet 3)	016N/14E-13L1 (Sheet 4)	D16N/15E-5P1 (Sheet 4)	D16N/15E-8J1 (Sheet 4)	D17N/14E-34J1 (Sheet 2)	

* See remarks.
** For additional information see Appendix D, "Detailed Descriptions of Certain Surface Water Diversions".
** Information not evailable.
For lettered footnotes, see last page of table.

-63-

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN AMERICAN RIVER HYDROGRAPHIC UNIT TABLE 6 (Continued)

	Remorks				Pormer owners: Pilot and Bock Creek Gengary, New York and Ohlo wider Company, Pilot Creek Ditch Company and Georgetoon Micher Company. Reported area irrigated is all lands served by Georgetoon Divide Public Utility District System but excludes lands erved by individual diversions which are supplemented by purchased water from the district. Amount diverted includes supplemental supply from DISM/LLS-DIG (South Fork Ditch), DISM/LLS-DIG (South Fork Ditch) and DISM/LLS-DIG (South Fork Ditch) and DISM/LS-ZRIB (South Fork Ditch) and	Reported amount diverted is an estimate based on 1.D of a storage raisees by State of California, Department of Fish and Sume for the period mid-September through Geboer.	æ	Pormer owners: California Weter and Minis Company, Loon Lake Power and Mater Company, Truckee General Electric Company, Realth Power Company, and Georgetown Weter Company, Water use and amount diverted reported under Di24/12E-12F1 (Georgetown Divide Ditch).**	Pormer owners: California Weter and Mining Company, Loon Lake Power and Mater Company, Truckee General Electric Company, Pacific Power Company, and Georgeton Meter Company, Water use and amount diverted reported under DISM/12E-12E (Georgetown Bride)	
	Osscription of diversion system			Grevity; rock and earth dam with D.2 mile of earth ditch.	Grevity; concrete dam 2 feet high; 50 feet long, with 26 milee of earth ditch to Georgetown area.	Storege; masonery dam 4 feet high, L4 feet long. Storege capecity: 85 af	Storage; concrete dam 5.5 feet high, 58 feet long. Storage cepacity: 110 af	Grevity; concrete dam 2 feet high, 75 feet long, with 9.5 milee of earth ditch and flume.	Grevity; concrete dam 2 feet high, 35 feet long, with D.3 mile of earth ditch and flume.	
Indicated dote of	appra- priation or first use			1941	1852	1950	1937	1870	1870	
right	Referance	NIT		A-11473ª	ı	A-15496	A-15492ª	1	I	
Apparent water right	Amount	RUBICON RIVER SUBUNIT		0,2 cfe	1	85.4 af	54 af	1	1	
App	Туре	N RIVE		Approp.	Approp.	804 Approp.	Approp.	Approp.	Approp.	
	Amount diverted in ocre-feet	RUBICC		Not meas.	8,513	8	24*	5,171	£	
Water use in 1960	Extent and method of use			14 scres by flooding	1,83 acres* 281 connections Lumber mill	1 1	1 1	€	€	
	Purpase			Irrig.	Irrig. Munic. Domestic Indust.	Stream- flow Maint. Recr.	Stream- flow Maint. Recr.	*	*	
	Saurce			Pilot Greek	Pilot Greek	Tributary to Aubicon Aiver	Rubicon River	Gerle Greek	South Fork Rubicon River	
	owner owner			Byron and Francis Bacchi	Georgetom Divide Ditch Georgetom Divide Public Utility District	Lois Lake United States El Dorado National Forest	Clyde Lake United States El Dorado National Forest	Gerle Creek Ditch Georgetown Divide Public Utility District	South Fork Ditch Georgetown Divide Public Utility District	
Diversion	ond ond Plote 2 sheet number		MDB&M	D12N/12N-11.1 (Sheet 15)	Dlaw/læ-12F1 (Sheet 15)	Dl2N/16E-3Gl (Sheet 17)	DlzW/16E-zwl (Sheet 17)	D13N/14,E-15G1 (Sheet 13)	D13N/14,E-27B1 (Sheet 13)	

* See remarks. ** For additional information see Appendix D, "Detailed Descriptions of Certain Surface Water Diversions". *- Information not available. For lettered footnotes, see last page of table.

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN TABLE 6 (Continued)

AMERICAN RIVER HYDROGRAPHIC UNIT

Diversion				Water use in 1960		App	Apparent water right	right	Indicated date of		
lacation and Plate 2 shset number	Oiversion name and/or awner	Source	Purpose	Extent and method of use	Amount diverted in ocre-feet	Туре	Amount	Referance	appranariation or first use	Description of diversion system	Remarks
	•			RUBIC	RUBICON RIVER) <u>IINGBOS</u>	(Continued)			
M D B & M											
DJ3W/15E-5H1 (Sheet 13)	Loon Lake Georgetown Dlvide Public Utility District	Derle Greek	€	•	€	Арргор.	1	1	1870	Storage; masonery dam 28 feet high, 650 feet long. Storage capacity: 10,000 af	Former owners: California Water and Mining Company, Loon Lake Power and Water Company, Truckee General Electric Company, Resifite Power Company, Water use and amount diverted reported under DL2W/12E-12Fl (Georgetown Divide Ditch),**
D13W/16E-6E1 (Sheet 13)	Buck Island Lake United States El Dorado National Porest	Tributery to Rubicon River	Stream- flow Maint, Recr.	1 1	*	Approp.	110 af	4-15499°	1953	Storage; concrete dam 4.,5 feet high, 42 feet long. Storage capacity: 11D af	Reported amount diverted is an estimate based on 0.5 cfs storage release by State of Californis, Department of Fish and Same for the period August through October.
DI3N/16E-6RL (Sheet 13)	Rockbound Lake United States El Dorado National Forset	Tributary to Rubicon River	Stream- flow Maint. Recr.	1 1	430*	Approp.	Je 077	A-15616 ⁸	1955	Storage; concrete dam 4.5 feet high, 54 feet long. Storage capacity: 430 af	Reported amount diverted to an estimate based on 2.5 cfs atorage release by State of California, Department of Fish and Game for the period July through October.
D13N/16E-20N1 (Sheet 13)	Highland Lake United States El Doredo Netional Forest	Tributary to Rubicon River	Stream- flow Maint. Recr.	1 1	*8	3	1	ı	1956	Storage, rock dam 6 feet high, 215 feet long. Storage capacity: 93 af	Reported amount diverted is an estimate based on 0.5 cfs storage release by State of Californie, Department of Pish and Game for the period August through October.
D13N/16E-33J1 (Sheet 13)	Schmidell Lake United States El Dorado Netional Porest	Tributery to Rubicon River	Stream- flow Maint. Recr.	1 (***************************************	Approp.	203.6 af	A-15497	1950	Storage; rock dam 6 feet high, 29 feet long, Storage capacity: 204 af	Reported amount diverted is an estimate based on 1.5 cf storage release by State of Galifornia, Department of Rish and Game for the period September through October.
D13N/16E-36A1 (Sheet 13)	Hiddle Velma Lake United Stetes El Dorsdo National Porest	Tributary to Rubicon River	Stream- flow Maint. Recr.	1 1	120*	120* Approp.	148.4 af	A-15506 ^a	1950	Storage, rock dam 5 feet high, 24 feet long. Storage capacity: 148 af	Reported amount diverted is an estimate based on 0.5 of atorage release by State of California, Department of Rish and Game for the period duly through October.
					SILVER		CREEK SUBUNIT	il i			
Sheet 21)	Ice House Recervoir Sacramento Muni- cipal Utility District	South Pork Silver Greek	•	€	②	Approp.*	310 cfe 50,000 af 400 cfs 50,000 af	A-12321ª A-12323ª	1948	Storage; earth and rock dam 150 feet high, 1,440 feet long. Storage capacity: 45,960 af	Storage began December 15, 1959. Water- use in 1950 consisted of filling reservoir only. Storage contents on September 20, 1960 - 29, 9500 at. Water right Application No. 12321 assigned to City of Secremento on July 1, 1957.
D11N/16E-7A1 (Sheet 22)	Gr, Jr. and Borths L. Wilson	South Fork Silver Creek	Irrig. Stock	8 acres by flooding 500 head	Not meas, Riparian	Riparian	1	1	About 1900	Gravity; small rock dam with 0.3 mile of earth ditch.	

See remarks.
 For additional information see Appendix D, "Detailed Descriptions of Certain Surface Water Diversions".
 Information not evallable.
 For lettered footnotes, see last page of table.

TABLE 6 (Continued)

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN AMERICAN RIVER HYDROGRAPHIC UNIT

	Remorke		Area irrigated lies within the high- water line of Union Walley Reservoir, presently under construction.	Former owners: D. Bullard, A. F. Farney, Area irrigated lies partially within high-water line of Union Walley Reservoir, presently under construction.	former owners: D. Bullard, A. F. Farney. Area irrigated lice partially within high-water line of Union Walley Reservoir, presently under construc- tion.	Former owners: D. Bullard, A. F. Faney. Are irrigated liee partially within high-water line of Union Valley Reservoir, presently under construc- tion.	Reported amount diverted is an estimate based on 0.25 of etorage release by State of California, Department of Fish and Game for period August through October.	Reported amount diverted is an estimate based on 0.25 of storage release by State of Californis, Department of Fish and Game for period mid-ully through October.	Reported amount diverted is an estimate based on 0.13 of etorge release by State of Galifornia, Department of Fish and Game for period August through October.	Reported amount diverted to an estimate based on less than 0.25 ofs storage release by State of California, Department of Fish and Game for period August through October.	Reported amount diverted is an estimate based on 0.25 to 0.50 of etorage release by State of Californie, Department of Fish and Game for period August through October.
	Description of diversion system		Gravity; concrete and rock dam 3 feet high, 30 feet long with 1.4 miles of	earth ditch. Gravity; small earth dam with short earth ditch.	Gravity; small earth dam with short earth ditch.	Gravity; 0.3 mile of earth ditch.	Storage; rubble dam 5 feet high, 50 feet long. Storage capacity: Approx. 30 af	Storage, rubble dam 4 feet high, 52 feet long. Storage capacity: Approx. 38 af	Storege, rubble dam 4 feet high, 55 feet long. Storage capacity: 26 af	Storage, rubble dam 3 feet high, 120 feet long. Storage capacity: 30 af	Storage, rubble dam 4 feet high, 61 feet long. Storage capacity: 60 af
Indicated date of	oppro- priotion or first usa		Prior 1900	Prior 1919	Prior 1919	Prior 1919	1941	1761	1934	1934	1937
ight	Reference	(Continued)	1	1	1	1	A-15503ª	A-15500 ^a	A-15514ª	A-15513ª	A-15512 ^a
Apporent water right	Amount		1	ı	1	1	30 af	38	Ja 92	ಚ	£60 af
Арр	Type	K SUBUNIT	Riparian	Riparian	Ripartan	Riparian	30# Approp.	38* Approp.	23* Approp.	21 * Approp.	60* Approp.
	Amount diverted in acre-feet	R CREEK	Not meas. Riparlan	Not meas. Riparian	Not meas. Riparian	Not meae. Riparian	30	38*	23	T	*09
Water use in 1960	Extent and method of use	SILVER	7 acres by flooding*	29 acres by flooding*	16 acres by flooding*	22 acres by flooding* 200 head		1 1	1 1	1 1	1 1
	Purpose		Irrig.	Irrig.	Irrig.	Irrig. Domeetic Stock	Stream- flow Maint. Recr.	Stream- flow Maint. Recr.	Stream- flow Maint. Recr.	Stream- flow Maint. Recr.	Stream- flow Maint, Recr.
	Source		Big Silver Creek	Tributary to Big Silver Greek	Tributary to Big Silver Greek	Tributary to Big Silver Greek	Tributary to Bassi Fork Silver Greek	Tributary to Bassi Fork Silver Creek	South Fork Silver Greek	South Fork Silver Greek	Tributary to South Fork Silver Greek
	ond/or		J. D. Granlee	R. S. Swift	R. S. Swift	R. S. Swift	Barrett Lake United States El Dorado National Forest	Lawrence Lake United States El Dorado National Forest	Lower Twin Lake United States El Dorado National Forest	Upper Twin Lake United States El Dorado National Forest	Island Lake United Statee El Dorado National Forest
Diversion	ond ond Plate 2 sheet number		N D B & M D12N/14E-1301 (Sheet 16)	D12N/14E-16F1 (Sheet 16)	Dl2N/145-16Ml (Sheet 16)	D12N/145-16Q1 (Sheet 16)	D12N/16E-8H1 (Sheet 17)	D12N/16E-9D1 (Sheet 17)	Di2N/16E-2201 (Sheet 17)	D12N/165-22R1 (Sheet 17)	D12N/16E-23M

See remarks.
 ** See remarks information see Appendix D, "Detailed Descriptions of Certain Surface Water Diversions".
 Information not available.
 For lettered footnotes, see last page of table.

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN AMERICAN RIVER HYDROGRAPHIC UNIT TABLE 6 (Continued)

	Remorks		Reported amount diverted 1s an estimate based on 0.25 cfs storage release by State of California, Department of Fish and Game for period mid-July through Certaber.		Reported amount diverted is an estimate based on 0.25 to 0.50 ofs storage rateses by State of California, pepartuent of Rien and Game for period 15 September through October.		Former owner: Martin.	Former owners: John Kirk and Bishop, Bi Dorado Mater and Deep Gravel Wining Company, Placerville Gold Mining Company, and Messern States Gas and Electric Company. Amount diverted is for power use downsteam in the Pacific Gas and Electric Company's South For Kysperae. Mater right Application No. 5618 assigned to Withed States Bureau of Reclamation, April 16, 1969.	- Ja	Reported amount diverted is an estimate based on 1.0 Cfs storage release by State of California, Department of Fish and Game for period mid-july through October.
	Oescription of diversion system		Storage; rubble dam 7 feet high, 172 feat long, Storage cepacity; 61 af	Storage; rock dam 3 feet high, 30 feet long. Storage capacity: 160 af	Storage; rubble dam 6 feet high, 71 feet long. Storage capacity: 40 af		Gravity; earth dam with 0.3 mile of earth ditch.	Storage; rock and concrete dam 20 feet high, 200 feet long. Storage capacity: 11,800 af	Storage, 2 section dam: (North Section) earth dam 71 fact high, 1,200 feet long; (West Section) con- crete dam 4,3 feet high, 150 feet long. Storage capacity: 2,581 af	Storaga; rock and concrete dam 4.5 feet high, 67 feet long. Storage capacity: 225 af
Indicated date of	appro- priotion ar first use		1952	1936	1952		Prior 1900	1927	1872 1919 1927	1953
right	Reference	(Continued)	A-15490 ^a	A-15494	A-15498ª	11	ı	A-1441a A-5618a	A-654.8 A-14418 A-56183	A-15509
Apporent water right	Amount	SUBUNIT (C	55 af	160 af	Je 07	E SUBUNIT	ı	Not meas Approp. 5,000 af Approp.* 10,000 af	8,000 af 17,000 af 25,000 af	160 af
Δρ	Туре		52* Approp.	104* Approp.	37* Approp.	SILVER LAKE	(0)	Approp.*	Approp. 8,000 a Approp. 17,000 a Approp.* 25,000 a	160* Approp.
	Amount diverted in ocre-feet	 R CREEK	25	104	37*	SILVE	Not meas.	Not Beas	Not mease Approp. Approp.	160*
Water use in 1960	Extent and method of use	SILVER	۱ ,	1 1	1 1		12 acres by flooding (b)	(*) Boating, fishing and swiming	(*) Boating, fishing and swimming	1 1
	Purpose		Stream- flow Maint. Recr.	Stream- flow Maint. Recr.	Stream- flow Maint. Recr.		Irrig. Domestic	Power Recr.	Power Recr.	Stream- flow Maint. Recr.
	Source		Tributary to South Fork Silver Greek	South Fork Silver Greek	Lyons Creek		Tributary to Silver Fork American River	Silver Fork American River	Tributary to Caples Greek	Tributary to Caples Greek
	Oiversion nome ond/or owner		Smith Lake United States El Dorado National	Wrights Lake United States El Dorado National Forest	Lyons Lake United States El Dorsdo National Forest		John M. Wakefield	Silver Lake Pacific Gae and Electric Company	Twin Lakes Pacific Gas and Elactric Company	Winnemucca Lake United States El Dorado National Forest
Oiversion	location and Plate 2 sheet number		M D B & M D12N/16E-26M (Sheet 17)	Dl2N/16E-32Gl (Sheet 17)	D12N/16E-35B1 (Sheet 17)		D10N/17E-21E1 (Sheet 27)	D10N/17E-32QL (Sheet 27)	D10N/185-18N1 (Sheet 27)	010N/18E-34E1 (Sheet 27)

See rearks.
 Postalide Descriptions of Certain Surface Weter Diversions".
 Information not available.
 For lettered footnotes, see last page of table.

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN AMERICAN RIVER HYDROGRAPHIC UNIT TABLE 6 (Continued)

	Remorks				Amount diverted supplements DlN/15E-29Kl (El Dorado Ditch).	Amount diverted served jointly with DIIM/15E-22N1 and DIIM/15E-22N2.	Use reported is served jointly with DIM/155-21A2. Serves community of Kyburz and vicinity.	Amount diverted served jointly with DIIN/155-22Nl and DIIN/155-21Rl.	Maintains fresh running water in tanks for holding fish prior to stream planting.		Former owners: John Kirk and Bishop, El Dorado Water and Deep Gravel, Waning Company, Western States Gas and Electric Company. Irrigation, municipal, and comestic use reported under DIOM/122-1301 (New Weber Bitch). Amount diverted includes all water diverted by DIJM/122-2511 and DIJM/142- 36ML (Alder Greek Papeline).**	Water right assigned to William Welden 12/22/60.	Former owner; William Dreher, Serves Pinecrest Camp and vicinity.
	Description of diversion system			Gravity; 0.4 mile of earth ditch.	Grevity; masonery dam 10 feet high, 100 feet long, with 0.7 mile of 18-inch pipe to El Dorado Ditch.	Gravity; concrete dam 3 feet high, 15 feet long with 0,3 mile of 4-inch pipe.	Gravity; concrete dam 10 feet high, 40 feet long, with 0.2 mile of 6-inch pipe.	Gravity; concrete dam 3 feet high, 20 feet long, with 500 feet of 4-inch pipe and a 10 hp pump for relift.	Gravity; concrete dam 3 feet high, 25 feet long, with 600 feet of 12-inch pipe to tanks.	Gravity; 0.4 mile of 18-inch pipe and earth ditch.	Storage and gravity; concrete dam 62 feet high, and 385 feet long, with 25 miles of earth ditch, filume, tunnel and pite to 51 Dorado Forebsy, and 2.9 miles of pipe and penetock to powerhouse.	Gravity; rock and concrete dam 4 feet high, 70 feet long, with 200 feet of ditch and flume to penstock.	Gravity; small rock and concrete dam 3 feet high, 10 feet long, with 0.2 mile of 4- and 6-inch pipe.
Indicated date of	appra- priation ar first use			1949	1929	1920	1920	1920	1954	1951	1876	1631	1919
-ight	Reference	(Continued)		1	A-6383ª	A-1623ª	A-1623ª	A-1623 ^a	A-15705 ^a	A-14518ª	A-1440ª	A-6997 ^a	A-11264 ^a A-15623 ^a
Apparent water right	Amount	t		!	15.0 cfs	6,0 cfs	6,0 cfs	6.0 cfs	5.0 cfe	O,l cfs	86.0 cfs	eJo 0.47	0.05 cfs 1.0 af 0.04 cfs
App	Туре	E SUBUNIT		Riparian	Approp.	Approp.	Арргор.	Approp.	Арргор.	Approp.	Арргор.	Approp.	Approp.
	Amount diverted in acre-feet	SILVER LAKE		Not meas. Riparian	€	Not meas. Approp.	Not meas.	Not meas. Approp.	Not meas. Approp.	Not meas,	74,680*	Not mess. Approp.	Not meas.
Water use in 1960	Extent and method of use	SILVE		4 acres by flooding 8 connections	•	(*)	100 connections*	•	*	40 connections	21,000 kv (*) (*) (*) (*)	& 장	51 connections*
1	Purpose			Irrig. Domestic	Power	Domestic	Domestic	Domestic	Fish Culture	Domestic	Fower Irrig. Munic. Domestic	Power	Domestic
	Saurce			Tributary to South Fork American River	Alder Greek	Tributary to South Fork American River	Tributery to South Fork American River	Tributary to South Fork American Alver	South Fork American River	Silver Fork American River	South Fork American River	Pyramid Creek	Tamareck Greek
	owner			Floyd Poole	Alder Creek Pipe- line Pacific Gas and Electric Company	Kyburz Incorporated	Kyburz Incorporated	Kyburz Incorporated	State of Californie Department of Fish and Game	Silver Fork Improvement Club	El Dorado Ditch Parific Gas and Electric Company	N. H. Welch	Ernest K. Hichardson
Oiversian	lacation and Plate 2 sheet number		M D B & M	011N/13E-35M1 (Sheet 20)	DIIN/14E-36MI (Sheet 21)	D11N/15E-21R1 (Sheet 21)	D11N/15E-22N1 (Sheet 21)	DILN/15E-22N2 (Sheet 21)	DIN/15E-23N1 (Sheet 21)	D11N/15E-28F1 (Sheet 21)	(Sheet 21)	DIIN/17E-8KI (Sheet 22)	(Sheet 22)

* See remarks.
** For additional information see Appendix D, "Detailed Descriptions of Cortain Surface Water Diversions".
- Information not evaluable.
- For lettered footnotes, see last page of table.

DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN TABLE 6 (Continued)

AMERICAN RIVER HYDROGRAPHIC UNIT

	Rsmorks			Former owner: N. L. Speager.	Supplies community of Phillips and vicinity.	Former owner: A. F. Naumhoff.		Used to irrigste 11 acre golf course.			Water right Application No. 10821 in name of United States El Dorado National Forest,	Former ownere: John Kirk and Bishop, El Dorado Water and Deep Gravel Mining Company, and Western States Gas and Electric Company. Import from Truckee Hiver Hydrographic Unit. Amount diverted is for power use down- stream in the Pacific Gas and Electric Company's South Fork System.**	Former owners: John Kirk and Bishop, El Dorado Water and Deep Gravel Whing Company, and Western States Gas and Electric Company. Amount diverted is for power use downstream in the Pacific Gas and Electric Company's South Fork System.**
	Oescription of diversion system			Grevity; small concrete dam 4 feet high, 10 feet long, with 600 feet of 12-inch penstock.	Gravity; concrete dam 6 feet S high, 30 feet long, with O.2 mile of 4- and 6-inch pipe.	Gravity; concrete dam i, feet high, 50 feet long, with 0.5 mile of 14-inch penstock	Gravity; small rock dam with 0.5 mile of ditch and pipe to pond.	Gravity; temporary rock and aarth dam with 0.7 mile of earth ditch and a booster pump with 100 feet of 3-inch pipe.	Gravity; 0.4 mile of pipeline to etorege tanks.	Gravity; rock and concrete dam with 0.4 mile of 4-, 6- and 8-inch pipe.	Gravity; small rock and concrete dam with 0.9 mile of 1.5-inch pipe to storage tanks.	Gravity; releases from Echo Lake are conveyed by an earth ditch and tunnel about 0.8 mile long and spill to South Fork American River.	Storage and gravity; concrete dam 20 feet high, 92 feet long. Storage capacity: 5,350 af
Indicated date of	appro- priation ar first use			1937	1936	1939	1	About 1944	1924	1923	1937	1927	1872 1919 1927
ıght	Reference	(Confinued)		A-91178	A-8658®	A-9687 ^a A-10848 ^a	ı	1	A-11675 ⁸ A-12930 ^a	A-33218	A-10821 ⁸	A-5618	A-6548 A-14418 A-56188
Apparent water right	Ameunt			2,2 cfe	0.049 cfs	4.5 cfs 1.0 cfs	ı	ł	0.046 cfs 0.022 cfs	0.039 cfs	0.016 cfe	2,000 af	5,000 af 500 af 5,900 af
App	Туре	E SUBUNIT		Approp.	Approp.	Approp. Approp.	(e)	(9)		Approp.	Approp.	1,405* Approp. Approp.	9,863 * Approp. Approp. Approp.
	Amaunt divertsd in acre-feet	SILVER LAKE		Not meas. Approp.	Not meas, Approp.	Not meas, Approp.	Not meae.	Not meas.	Not meas. Approp. Approp.	Not meas.	Not meas. Approp.	1,405*	9,863*
Water use in 1960	Extent and method of use	ALL S		35 km	45 connections*	١	1	€	30-40 connections	6 connections	60 connections	€ ¦	€
	Purpase			Ромет	Domestic Fire Prot.	Power	Fieh Culture	Recr.	Domestic	Dome stic	Domestic	Recr.	Power Recr.
	Source			Pyramid Creek	Alice Craek	South Fork American River	South Fork American River	South Fork American River	Springs tributary to South Fork American River	Cody Greek	Cody Greek	Echo Lake	Pyramid-Greek
	and/or amer			John D. and Barbars A. King	Alice E. Lyun M. J. Sickels	Otto Schaefer	Otto Schaefer	Otto Schaefer	Otto Schaefer	Cabin Owners Association	Strawberry Creek Lot Owners Association	Echo Lake Conduit Pacific Ges and Electric Company	Medley Lakee (Lake Aloha) Pacific Gas and Electric Company
Oiversion	focation and Plofe 2 shest number		M D B & M	011N/17E-9H1 (Sheet 22)	DIN/17E-IILI (Sheet 22)	D11N/17E-17G1 (Sheet 22)	D11N/17E-18H1 (Sheet 22)	OllN/175-18H2 (Sheet 22)	D11N/17E-18M1 (Sheet 22)	Oll N/17E-19N1 (Sheet 22)	UllW/17E-30Cl (Sheet 22)	Olly/l8E-641* (Sheet 22) (Import)	DISW/17E-3001 (Sheet 17)

* See remarks.
** For additional information see Appendix D. "Detailed Descriptions of Certain Surface Water Diversions".
** Enformation not evailable.
For lettered footbotes, see last page of table.

TABLE 6 (Continued)
DESCRIPTIONS OF SURFACE WATER DIVERSIONS IN
AMERICAN RIVER HYDROGRAPHIC UNIT

	Remarks		Pacific Gas and Electric Company releases storage for power purposes in their South Fork System. A like amount, minue evaporation is released below El Dorado Intake for streamflow main- tenance.	Pacific Gas and Electric Company releases storage for power purposes in their South Pork System. A like amount, minue evaporation'is released below El Dorado intake for streamlow maintenance.	Pacific Gas and Electric Company releases storage for power purposes in their South Fork System. A like amount, minus evaporation is released below El Dorado Intake for etreamflow maintenance.	
	Description of diversion system		Storage and gravity, rubble dam 2.5 feet high, 35 feet long. Storage capacity: 75 af	Storage and gravity; rubble dam 4.5 feet high, 20 feet long. Storage capacity: 30 af	Storage and gravity; rubble dam 5 feet high, 20 feet long. Storage capacity: 80 af	
Indicoted	dote of appro- priotion or first use		1930	1942	1938	
right	Reference	(Continued)	1	A-15493ª	A-15495	
Apporent woter right	Amount		ı	30 af	80 af	
App	Туре	SILVER LAKE SUBUNIT	(6)	30* Approp.	Арргор.	
	Amount diverted in ocre+feet	R LAK	75*	30*	*59	
Woter use in 1960	Extent and method of use	SILVE	<u>€</u> €	€÷	€ € I	
	Purpose		Fower Stream- flow Maint. Recr.	Power Stream- flow Maint. Recr.	Power Stream- flow Maint. Recr.	
	Source		Tributary to Pyramid Creek	Tributary to Pyramid Creek	Pyramid Creek	
	Diversion nome ond/or owner		Lake of the Woods United States El Dorado National Forest	Toem Lake United States El Dorado National Forest	Ropi Lake United States El Dorado National Forest	
	Docation location and Plate 2 sheet number	# * # # # # # # # # # # # # # # # # # #	D12N/17E-32H1 (Sheet 17)	DlzW/175-32N1 (Sheet 17)	D12N/17E-32F1 (Sheet 17)	

* See Bemarks.

** Por additional information see Appendix D, "Detailed Descriptions of Certain Surface Water Diversions."

-- Information not available.

a Refers to applications to appropriate water filed with the State Water Rights Board. For additional information see Table C-1.

b Domestic use of less than five connections.

Insufficient information to determine type of apparent water right.

d El Dorado County Records.

e Sacramento County Records.

TABLE 7

MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN AMERICAN RIVER HYDROGRAPHIC UNIT, 1960

	d de march	Kemorks		Reported total is exported vie DITM/12E-53B1 (lake Valley Canal) for power in Tuba- Bear Hivers Nydrographic Unit.		Reported total is exported via DITM/12E-33B1 (Lake Valley Canal) for power in Tuba-Bear Rivers Hydrographic Unit.		Reported total is for 1/29/60- 11/16/60 only.					Aeported total is for 2/8/60-12/31/60 only.	Reported total is for 2/9/60- 12/31/60 only.				
		Totol		30B*		6,537*		141	32	108	3,490	73	414	4927	17	91	63	\$
		Dec		٥					0	0	0	0	٦	35	0	Q	0	٥
		No.		0		N.W.		-NR-	0	0	188	0	77	8	0	٧	0	٥
		Oct		0		1,560		R	-3	8	528	cc j	37	27	٥	ध	۵	Φ
 		Sept		٥		1,640		ನೆ	-3	8	503	13	8	99	0	ន	6	Œ
ocre-fe	2	Aug		Q		1,730		25	7	55	979	16	8	62	m	C Q	12	オ
Amount diverted, in ocre-feet		Job Line		162		1,446		**	9	a	574	16	23	*8	C Q	4	13	13
ount div		Jun		1746		191		23	7	19	526	10	67	29	vs	σ.	オ	15
A A		Моу	TINI	0	rts)			23	~	6	507	OI	38	90	7	8	13	αo
ı		Apr	BLUE CANYON SUBUNIT	٥	(See Table of Imports and Exports)		TINUBL		2	9	811	0	16	67	0	6	N	a
		Mor	NYON	٥	Imports a	NR	COLOMA SUBUNIT	R-	0	0	0	٥	19	37	0	0	0	٥
ı		e d	UE C/	0	able of]		COLO	NR-	0	0	٩	0	55	91	0	a	0	0
		nab	ਰ 	0	(See Ta				٥	٥	0	0	SN.	-NA	٥	0	٥	0
	Method of	observotion and colculation		Water etage recorder and depth-flow relationship		Water stage recorder and depth-flow relationship		Water stage recorder and depth-flow relationship	Pump test and power record	Pump test and power record	Water stage recorder and depth-flow relationship	Water stage recorder and depth-flow relationship	Water stage recorder and depth-flow relationship	Water stage recorder and depth-flow relationship	Pump test and power records	Water stage recorder and depth-flow relationship	Water stage recorder and depth-flow relationship	Water stage recorder and depth-flow relationship
	Point of	meosurement or estimote		2.0 miles below reservoir outlet.		At reservoir outlet.		150 feet below intake.	At pump.	At pump.	0.2 mile below intake.	O.1 mile below intake.	100 feet below intake.	0.1 mile below intake.	At pump.	150 feet below intake.	100 feet below intake.	100 feet below intake,
	-	Use		3	Export	3		Irrigation Domestic	Irrigation	Irrigation	Irrigation Stockwatering	Irrigation Stockwatering Recreational	Irrigation Domestic	Irrigation Domestic	Irrigation Stockwatering Mecreational	Irrigation	Irrigation Stockwatering	Irrigation Stockwatering
	Diversion nome	or owner		Kelly Lake	Lake Valley Canal	Lake Valley Reservoir		Katherine C. Larsen and Sons	Byron and Francis Bacchi	Melvin and Frank Gallagher	Coloma-Lotus Manch Ditch	Malcolm Veerkamp	J. R. Nessler A. C. and Juanita Winkelman	John, Lawrence and Auth Larsen	E. A. Long	Lawrence Niegel	lawrence Niegel	Lawrence Niegel and Bernice Bowen
	Locotion	number		H D B & H D17N/12E-25F1	D17N/12E-33B1	D17N/12E-35C1		D10N/12E-4L1	D11N/96-3H1	D11N/10E-17Q1	D11N/10E-26L1	D11N/10E-2901	THSE-32HT	THIC-321/NTIG	D12N/9E-14A1	D12N/9E-16J1	D12N/9E-16K1	D12N/9E-21F1

9 See remarks
--8 e-- Diversion estimated for period indicated
--N R-- No record for period indicated

TABLE 7 (Continued)
MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN
AMERICAN RIVER HYDROGRAPHIC UNIT, 1960

		Remarks			Reported total is for 4/28/60-6/12/60 only.					,				Reported total is for 3/3/60- 12/31/60 only.					Reported total ie for 4/14/60-12/31/60 only. Amount for April is a partial record only.		
		Totol		Ħ	*87	102			12	69	30,4	#		*179				7	563*	115	
		Dec		0	0	0			0	0	0	0		78				0	0	0	
		Nov		0	0	0			7	٦	0	0		85				0	0	0	
		Oct		0	0	0			٦	9	15	4		69				1	0	0	ш
		Sept		0	0				ч	01	8	og .		K				0	0	0	м
	dere-1	Aug		0	0				0	13	38	7		78				ч	0	0	
	Amount diverted, in dcre-reet	Jac		19	0				~	12	32	a		66				٦	٦	0	
	nount div	Jun		917	6				ν,	#	84	'n		109				٦	75	w	
	A	May	(Continued)	97	*		ь	rte)	24	~	36	0	T.	Ħ	rte)	rts)	BUNIT	0	273	112	
		Apr		0	-NR-	0	FOLSOM SUBUNIT	and Expo	0	23	15	0	SUBUNIT	124	and Expo	and Expo	VS SV	0	214*	0	
		Mor	BUNIT	0	0	0	S WOS	Imports	0	0	0	0		147	Imports	Imports	EADOW	0	1	0	3
		Feb	COLOMA SUBUNIT	0	•	0	FOLS	(See Table of Imports and Exports)	0	0	0	0	FORESTHILL		(See Table of Imports and Exports)	(See Table of Imports and Exports)	FRENCH MEADOWS SUBUNIT	0	N.B.	0	
-		nop	COLO	0	0	0		(See Ta	0	2	0	0	ш	N.B.	(See T	(See To	FREN	0		0	
	Method of	observation and calculation		Pump teste, power record and opera- tion record	Water etage recorder and depth-flow relationship	Water stage and capacity curve		1	Sprinkler test and power record	Power record	Pump test and power record	Pump test and power record		Water stage recorder and depth_flow reletionship	Water stage recorder and depth-flow relationehip	Weter etage recorder and depth_flow relationehip		Estimated	Water stage recorder and depth-flow relationehip	Water stage recorder and depth-flow relationship	١
	Point of	medsurement or estimate		At pumps.	0,5 mile below.	At reservoir.		ı	At pump.	I	At pump,	At pump.		Near mine, 9 miles below intake,	0.8 mile below intake.	0.4 mile below intake.		1	0.7 mile below intake.	3.0 miles below intake.	
		Use		Irrigation Stockwatering Recreational	Irrigetion	Irrigation Stockwatering Hecreational		Export	Irrigation	Irrigetion Stockwatering	Irrigation Stockwatering	Irrigation		Mining Domestic	Export	Export		Mining	Mining	Mining	ilcoted
	Diversion name	or owner		Richard M. Miller	Byron and Francie Becchi	Fred G. Oetenrieder		Foleom Reservoir	Gordon H. Garland	Joe P. Kelley	L. J. and E. Belle Esper	Andolph and Ora Niegel		015N/llE-17J1 Big Reservoir (NeClechin Ditch)	Pulp Mill Canal	Towle Canal		Pine Nut Ditch	Pacific Slab Mine	Ralph and j. j. Sturgill	See remarks Monthly volue estimated Olyversion estimated for period indicated No record for period indicated
	Locotion	number	ж % в О ж	D12N/9E-33L1	012N/9E-34L1	D12N/10E-22N1		DION/7E-24CI	DII/8E-1C1	IN/8E-4NI	0128/85-24,31	D12N/8E-2581		1671-311/N210	D16N/10E-36Q1	016W/11E-21E1		191-3E1/N710	D15N/12E-35G1	D1,5N/13E-541	See remarks e Monthly velue* # Oiversion esti

TABLE 7 (Continued)
MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN
AMERICAN RIVER HYDROGRAPHIC UNIT, 1960

	Remarks											Reported total 10 for 3/9/60 - 12/31/60 only. Includes reported amount diverted by Gerle Greek Ditch (D13M/14E-15C1).	Record obtained from United States Geological Survey, Water Supply Paper No. 1715, published as "Georgetown Byide Bitch mear Georgetown California." Station discontinued 10/31/60,	Apported total le an estimate based on 1.0 offs storage release by State of California, begartent of Fish and Game for period and September - October.	Meported total is an estimate based on 0.5 Get strage ralease by State of Galifornia, pepartment of Fan and Game for period August - October.	
	Total		10		3,580	&	1,377	2,124	77	13		8,513*	9,614*	\$	* 3.	
	Dec		0		0	0	0	w	0	0		8	1		1	
	Nov		0		%	0	98	07	0	0		166	1			
	0ct		0		33\$	16	101	37	0	2		64,1	708			
	Sept		~		691	16	136	361	0	2		1,100	1,150			
cre-fee	Aug		~		632	18	7777	518	<i>a</i> 0	2		1,240	1,320			
tad, in c	Jul		н		823	16	213	516	6	2		1,360	1,430			
Amount diverted, in ocre-feet	Jun		٧.		784	n	577	512	オ	8		1,380	1,450	*	* * * * * * * * * * * * * * * * * * *	
Amo	Моу	ь	0	⊨ ı	179	2	180	93	п	0	TINI	1,310	1,200			
	Apr	UBUNI	0	SUBUNIT	0	0	0	0	0	0	SUBL	988	787			
	Mor	GREENWOOD SUBUNIT	0		0	٥	0	0	0	0	RUBICON RIVER SUBUNIT	207	701			
	Feb	EENWO	0	PLACERVILLE	0	0	67	0	0	0	CON		305			
	Jon	SRI	0	PLA	0	0	11,5	0	0	0	RUB	-NR-	696			
	observation and calculation		Pump test and power record		Water stage recorder and depth-flow relationship	Water etage recorder and depth-flow relationehip	Water stege recorder and depth-flow relationehip	Water stage recorder and depth-flow relationship	Pump test and power record	Power record		Water stage recorder and depth-flow relationehip	€	€	*	
7 7 7 7	Point of measurement or estimate		At pump.		0.7 mile below intake.	200 feet below intake.	O.1 mile below intake.	1.1 miles below intake.	At pump.	1		12.0 miles below intake.	1	1	1	
	Use		Irrigation	9	Irrigation Domestic	Irri gation	Irrigation	Irrigation Municipal Domestic Industrial	Irrigation Stockwatering Hecreational	Irrigation Stockwatering		Irrigation Municipal Domestic Industrial	Irrigation Municipal Domestic Industrial	Streamflow Maintenance Recreational	Streamflow Maintenance Hocreational	
	Diversion name or owner		Georgetown Divide Public Utility Dietrict		Gold Hill Ditch	Fay M. Rupley	Farmers Ditch	New Weber Ditch	Leo A. Akin	L. W. Veerkamp		Georgetown Divide Ditch	Georgetom Divide Ditch*	Loie Lake	Clyde Lake	
	Location	N D B G N	D12N/10E-11D1		D10N/11E-7P1	DION/11E-11C1	D10N/11E-19F1	D10N/12E-18Q1	1916-301/NIIO	D11N/10E-32J1		D12N/12E-12P1	ı	01.2N/16E-3G1	012N/16E-2401	

⁵ See remorks
--8 6-- Diversion estimated for period indicated
--N R-- No record for period indicated

AMERICAN RIVER HYDROGRAPHIC UNIT, 1960

	Remorks		Mecord obtained from United States Geological Survey Water Supply Faper No. 1715 and Surface Water Mecords of Californis, Vol. 2, published as "Georgetown Dixide Ditch aboves Pilot Greek,"	Reported total is an estimate based on 0.5 cfs storage release by State of California, Department of Fish and Game for period August-Detober.	Meported total is an estimate based on 2.5 cf seronge release by State of California, Department of Fish and Game for period July-October	Reported total is an estimate based on 0.5 for storage release by State of California, Department of Fish and Game for period August-October.	Reported total is an estimate based on 1.5 for storage release by State of California, beparkment of Fish and Game for period September-October,	Reported total ie en estimate based on 0.5 cfs storage release by State of California, Department of Fish and Game for period July-October.		Reported total is an estimate based on D.25 cfs storage release by State of California, Department of Fish and Game for period August-October.	Reported total is an estimate based on 0.25 cfs storage release by State of Gallfornia, Department of Fish and Game for period July-October.	Reported total is an estimate based on 0.13 cfs storage release by State of Gallonnia, Department of Fish and Game for period August-October.
	Total		5,171	*06	430*	*06	*702	120*		30	**	33*
	Dec		۵			1						P. P. S.
	Nov		0									
	0ct		569									
<u>_</u>	Sept		1,140									
ocre-fe	Aug		1,130									
rted, in	Jul		1,150									
Amount alwerted, in acre-feet	Jun	(pen	966	*	*	1	1	1		•	*	*
Amo	May	(Continued)	184	1					UNIT			
	Apr		0						SILVER CREEK SUBUNIT			
	Mar	SUBI	Ω						CREE	ļ		
	Feb	RIVER	۵						VER			
	Jon	RUBICON RIVER SUBUNIT	٥						SI			
	Method of observotion and colculation	שני היים ביים ביים ביים ביים ביים ביים ביי	*	②	*	*	*	*)		*	*	(*)
	Point of measurement or estimate		I	1	I	1	1	1		;	ł	1
			Irrigetion Municipal Domestic Industrial	Streamilow Maintenance Recreational	Streamflow Maintenance Recreational	Streamlow Maintenance Recreational	Streamlow Maintenance Recreational	Streamlow Maintenance Recreational		Streamflow Maintenance Recreational	Streamflow Maintenance Recreational	Streamflow Maintenance Recreational
	Diversion nome or owner		Gerle Greek Ditch*	Buck Island Lake	Rockbound Lake	Highland Lake	Schmidell Lake	Middle Valma Lake		Barrett Lake	Lawrence Lake	Lower Twin Lake
	Location		M D B & M D13N/14E-15G1	D13N/16E-6E1	D13.4/16E-6R1	INOZ-30N1	D13N/16E-33J1	D13N/16E-36A1		D12N/16E-8H1	D12N/16E-9D1	D12N/16E-22Q1

TABLE 7 (Continued)
MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN
AMERICAN RIVER HYDROGRAPHIC UNIT, 1960

	_													1
	Remarks			Reported total is an estimate based on less than 0.25 cfs storage release by State of California, Department of Fish and Gene for period August-October.	Reported total is an estimate based on 0,25 to 0,50 cfe storage release by State of California, Department of Fish and Game for period August-October.	Reported total is an estimate based on 0.25 for storage release by State of California, Pepartment of Fish and Came for period mid-July-October.	Reported total is an estimate based on 0.5 Get storage release by State of California, Department of Fish and Game for period mid-July-October.	Reported total is an estimate based on 0.25 to 0.50 of storage release by State of California, betwhent of Pish and Game for period mid-September-October.		Reported total is an estimate based on 1.0 Cas storage release by State of California, Popriment of Fish and Game for period mid-July-October.	Record obtained from United States Geological Survey, Water Resources Division.	Mecord obtained from United States Gological Survey Water Supply Paper No. 1715, published as "Pyramiu Greek near Phillips, California."	reported total based on water right spilication, Allowable storage accretion becomerdum. Sourage release for power. Like amount less evaporation released through El borado Intake.	
		Total		å	\$ 9	25*	104*	37*		160*	74,680	9,863	*52	
		Dec									3,760	305		
		Nov									3,310	103		
		0ct								8 8 8 8 8 8 8	060*7	g		١
1		Sept									6,020	134		ı
	000	Aug									7,160	2,360		
	Amount diverted, in ocre-rest	luc			*	*					6,820	3,250		
	nonus al	La La	(Continued)								9,130	2 2,020		
	Ā	Мау							NIT		0,240	5 4.52		
		Apr	BUNIT						E SUE		8,720	\$07		
		Mar	EK SU						SILVER LAKE SUBUNIT		00 7,790	00 728		I
		Feb	3 CRE						SILVE		008*7 01	320		۱
		٦٥٦	 SILVER CREEK SUBUNIT 					1		-	3,840	7	1	
	Method of observation and	calculation	v	•	•	*	•	•		•	€	•	Estimated	
	Point of measurement	or estimate		1	1	ı	ı	1		ı	1	1	ı	
	°s n			Streamflow Maintenance Recreational	Stream1 ow Maintenance Mecreational	Streamflow Maintenance Recreational	Streamflow Maintenance Recreationel	Streamflow Maintenance Recreational		Streamflow Maintenance Recreational	Power Irrigation Municipal Domestic	Power Recreational	Power Streamlow Maintenance Recreational	
	Diversion name	ar awner		Upper Trdn Lake	Island Lake	Smith Lake	Wrights Lake	Lyons Lake		Winnemucca Lake	El Dorsdo Ditch	Medley Lakes* (Lake Aloha)	Lake of the Woods	neka
	Lacation	number	N & 8 Q N	p p	อา2N/16E-23MG	D12N/16E-26M1	D12V/16E-32G1	D12N/16E-3581		D10N/18E-34E1	D11N/15E-29A1	012V/17E-30G1	D12N/17E-32H1	400000

TABLE 7 (Continued)
MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN
AMERICAN RIVER HYDROGRAPHIC UNIT, 1960

	Remorks		Apported total based on water right application. Allowable storage accretion beenber- June. Sorage release for power. Like amount less evaporation released through El borado Intake.	Reported total based on water right application. Allowable storage accretion becamberdume. Storage release for power. Like amount Less evaporation released through El borado Intake.	,	
	Total		* &	65*		
	000					
	Nov					
	Sept Oct					
teat - feat	Aug S					
Amount diverted in ocre-feet	Jul.			•		
mount div	Cuð	nued)				
	Moy	(Confi				
	Mor Apr	UBUNIT				
	Feb 3	AKES				
Amount diversi	Jan	SILVER LAKE SUBUNIT (Continued)				
	Method of observation and colculation	S	Estimated	Estimated		
	Point of measurement or estimate		1	1		
	Use		Power Streamlow Maintenance Recreational	Fower Streamilow Maintenance Recreational		licoted
	Diversion name or owner		Toem Lake	Ropi Lake		See remorks - Manhly value estimated - Diversion estimated for period indicated - No record for period indicated
	Locotion	ж В в В	d	D12N/17E-32P1		* See remo - Manhy v # Diversion

TABLE 8

MONTHLY RECORDS OF IMPORTS AND EXPORTS
AMERICAN RIVER HYDROGRAPHIC UNIT
1960

	Remorks		Amounts for January and Pebruary are partially estimated.	Lateral of Boardman Cenal. Accord obtained from Pacific Cas and Electric Company.	lateral of Boardman Canal. Amount for January is partially estimated.	Lateral of Boardman Canal,	Extension of Bear River Canal,	Lateral of Boardman Canal.		Mecord obtained from United States Surem of Reclama- tion "Amport of Opera- tions." December 1960.	Mecord obtained from United States Geological Survey.	deported total includes 20% exercises from DIPM/ 125-557 (seels from DIPM/ 5.57) exercises from DIMM/125-3501 (lade will period 6/21/60 = 10/31/60 enly.	Amount for January is a partial record.	Amount for January to partially estimated.	State Breau of Regiment State Breau of Regimention in the State Breau of Regiment total is exported for use in Serramon of Villey Zoor Hydrographic Unit.
	Totol	T	14,370	252	3,427	52%	136,735	£89	4,354	19,519	1,405	7,430*	16,550	84,7	1,561,360 30,917 24,533 1,455 1,618,665
	Dec		1,280	10	72	_Ω	22,360	97	154	8	0	1	1,300	٥	126,050 1 1,098 1,188 1,188 126 128,462
	Nov		880	10	216	31	18,930	18	24.8	5772	0	1	1,210	0	62,530 126,050 1,561,360 1,349 1,098 30,191 1,299 1,188 24,533 126 1,629 1,1618,665 558,755 1,618,665 65,795 1,618,665
	0 ct		830	18	313	87	00,510	2	25%	6877	44.7	7,560	1,390	0	31,550 3,044 2,081 153 36,828
feet	Sep		1,510	88	067	8	1,784	100	\$	2,772	958	1,040	1,520	0	75,780 3,570 2,365 203 82,118
in ocre-feet	Aug		1,520	57	535	69	689	113	859	6,104	0	1,730	1,580	0	
erted,	13 7		1,400	677	51.7	69	632	109	795	5,651	0	1,770	1,390	0	11,750 153,580 239,580 167,060 116,680 175,950 212,050 1148,810 1,752 1,231 1,312 1,320 2,233 3,332 4,332 4,595 4,280 1,753 1,635 1,738 1,961 2,398 2,719 2,690 2,610 120 94 108 118 144 224 223 223 136,591 136,591 24,7706 191,369 122,411 183,275 219,655 155,921
Amount diverted,	500		1,340	35	194	53	4,146	106	199	3,387	0	453	1,360	0	2,382 2,719 224 224 183,275
A	Moy		1,740	16	526	*	15,260	3	808	₹ ?x	0		1,900	0	116,680 13,292 2,298 14.1
	Apr		1,770	я	102	x	20,210	17	153	89	0	1	1,830	172	2,230 1,961 1,961 191,369
	Mor		1,130	9	123	R	14,470	8	153	16	0	•	1,410	7872	1,260
	e e		• 0777	σ.	щ	39	17,370	8	123	8	0	•	1,070	251	1,282 1,282 1,635 94 156,591
	Cob		ahta	#	114*	67	10,374	17	137	122	Exports	1	570=	140*	31,750 435 1,729 120 34,334
	Method of observation and colculation	-	Water stage recorder and depth-flow relationship	٤	Water stage recorder and depth-flow relationship	Water stage recorder and depth-flow relationship	Water stage recorder and depth-flow relationally	Staff gage and depth-flow relationship	Water stage recorder and depth-flow relationship	②	(*) Exp	Water stage recorder and depth-flow relationship	Water stage recorder and depth-flow relationship	Water stage recorder and depth-flow relationship	②
	Point of measurement or estimate		0.3 mile above Canyon Greek	ε	Near intake	At intake	O.4 mile below Bourdman Canal	At intake	Above Nighway 49 crossing	②	©	O.8 mile below intake	0.4 mile below intake	0.8 mile below intake	Folson Poverhouse San Juan Suburban Water District Matemas Water Company California State Frison, Folson Total Melesse
	Location number point of import or export		D16N/11E-16M2	D15N/9E-27R1	D1:2N/8E-15P1	D123/8E-20Q1	D1.2N/8E-32P1	D11N/8E-581	D10N/11E-19P1	D10N/12E-14L1	D11N/18E-6MI	D17H/12E-30FL	016N/11E-31C1	D16N/10E-35J1	
	Hydrographic unit imported from or exported to		Yuba-Bear Hivers	Yuba-Sear Rivers	Yuba-Bear Rivere	Yuba-Bear Mivers	Yuba-Bear Kivers	Yuba-Bear Mivers	Cosumnes- Mokelumne- Calsverae Rivers	Cosumnes- Mokelumne- Calavaras Kivera	Truckee Hiver	Yuba-bear Kivere	Yuba-Bear Rivers	Yuba-Bear Mivers	Ploor Ploor
	Source		Sear River	Bear River	Sear River	Bear River	Bear River	Sear River	Squaw Nollow Greek	Sly Park Creek	Echo Lake	North Pork of North Pork American illver	Canyon Greek	Canyon Creek	Apprican River
	Location		0174/115-3601	3	©	<u>()</u>	<u> </u>	©	D10N/115-32FL	D10N/13E-17L1	. 0111/175-1A1	D17N/12E-3381	D16N/115-21El	D16N/10E-36Q1	010N/7E-24G1
	Diversion name or owner		Boardman Canal Pacific Gee and Electric Company	Colfas Pipeline* Pacific Gas and Electric Company	Shirland Canal® Pacific Gas and Electric Company	Geylord Canal* Pecific Gas and Electric Company	South Canale Pacific Gee and Electric Company	Monte Rio Pipe Pacific Gas and Electric Company	Diamond Ditch El Derado Irriga- tion Dietrict	Sly Park-Camino Conduit United States Buresu of Roclamation	Echo Lake Conduit Pacific Gas and Electric Company	lake Walley Canal Pacific Cas and Electric Company	Towle Canal Pacific Gas and Electric Company	Pulp Hill Canal Pacific Gas and Electric Company	Folson Reservoir United States Bureau of Reclamation

• See Remarks.
- Monthly value unknown.

TABLE 9
INDEX TO SURFACE WATER DIVERSIONS
AMERICAN RIVER HYDROGRAPHIC UNIT

Dimession none	Location			References
Diversion name or owner	number	Subunit	Plote 2 Sheet No.	Text and appendixes Page No.
Akin, Leo A.	D11N/10E-33A2 D11N/10E-31Q1	Coloma Placerville	19 19	47, 99, 102, C-30 62, 73, 102, C-31
Alder Creek Pipeline Pacific Gas and Electric Company	D11N/14E-36M1	Silver Lake	21	68, C-22, D-22
Allied Capital Corporation	D10N/10E-18C1	Placerville	24	59, 101, C-29, C-36
American River Flume Pacific Gas and Electric Company	D11N/12E-19N1	Coloma	20	14, 49, D-22, D-23
Anderson, L. L.	D14N/11E-3G1 D14N/11E-10G1 D14N/11E-17G1	French Meadows French Meadows Greenwood	8 8 8	56 56 57, 101
Aperman, Amile Dueve, Harold Sturmfeder, F. H. R.	D15N/11E-8C1	Foresthill	5	55
Bacchi, Byron and Francis	D11N/9E-3H1 D11N/9E-12C1 D11N/9E-12F1 D12N/9E-34L1 D12N/12E-11J1	Coloma Coloma Coloma Rubicon River	18 18 18 14 15	45, 71, 99 45, 99 45, 99 50, 72, 100 64, 102, C-29
Bacchi, Mrs. Henry, Byron and Francis	D11N/10E-6L1	Coloma	19	46, C-21
Barber, G.	(See: Coloma-I	Lotus Ranch Ditch	ι)	
Barrett Lake United States El Dorado National Forest	D12N/16E-8H1	Silver Creek	17	66, 74, 0-34
Bernd, Herbert H. and Betty E.	DION/12E-8Q1	Placerville	25	61, 102, 0-34
Big Reservoir McGiachin Placer .Gold Mining Company	D15N/l1E-17J1	Foresthill	5	12, 31, 55, 72
Binshi, B.	D11N/9E-7B1	Coloma	18	45, 99
Bisagno, John	D10N/11E-8A1	Placerville	24	60, 102
Boardman Canal Pacific Gas and Electric Company	D17N/11E-36D1	Foresthill	1	30, 40, 56, 77, D-14, D-17, D-18, D-19
Borrson, Nioma McAulay, Malcolm	D12N/8E-33N1	Folsom	14	53, 100
Bowen, Bernice	(See: Niegel,	Lawrence)		
Browning, George	D10N/13E-5M1	Placerville	25	62, 102
Brunkhorst, C.	D13N/9E-4L1	Foresthill	11	53, 101
Brunius, Lucy M.	D11N/11E-34K1	Coloma	19	48, 99

TABLE 9
INDEX TO SURFACE WATER DIVERSIONS
AMERICAN RIVER HYDROGRAPHIC UNIT

Diversion name	Location	Cuburit	References			
or owner	number	Subunit	Plote 2 Sheet No.	Text and appendixes Page No.		
Buck Island Lake United States El Dorado National Forest	D13N/16E-16E1	Rubicon River	13	65, 74, C-34		
Cabin Owner's Association	D11N/17E-19N1	Silver Lake	22	31, 69, C-20		
California Debris Commission	(See: Lake Cle	mentine)				
California Province of the Society of Jesus	D13N/9E-9G1	Foresthill	11	53, C-33		
Canepa, Emilio P. and Edith M.	DION/11E-14C1	Placerville	24	61, 102, C-31		
Caswell, John M.	D10N/10E-1M1	Placerville	24	58, 101		
Central Pacific Railroad Company	(See: Putt Lake	e)				
Chiquita Lake Smith, Neal D. and Inez I.	D13N/11E-34A1	Coloma	15	51		
China Spring Southern Pacific Company	D16N/11E-14B1	Blue Canyon	3	† †		
Clyde Lake United States El Dorado National Forest	D12N/16E-24D1	Rubicon River	17	64, 73, C-34		
Colfax Pipeline Pacific Gas and Electric Company	D15N/9E-27R1	Foresthill	5	54, 77, D-20		
Coloma-Lotus Ranch Ditch Barber, G. Herzig, A. State of California Division of Beaches and Parks Stodick, L. D.	D11N/10E-26L1	Coloma	19	24, 47, 71 , 99		
Crosthwaite, H. E.	D12N/8E-32J1	Folsom	14	52, 100		
Cumming, W. C.	D10N/11E-3J1	Coloma	24	45, 99, C-30		
Darlington, F. Marshall, Mrs. James	D10N/11E-22D1	Placerville	24	61, 102		
Davidson Brothers	(See: Pine Nut	Ditch)				
Delsindico, Virginia	Ď14n/9E-10P1	Foresthill	8	53, 101		
Deming, S. F.	D10N/10E-3N1	Placerville	24	58, 101, C-21		
Denison, Lon	D12N/9E-31N1	Folsom	14	53, 100, C-32		

TABLE 9
INDEX TO SURFACE WATER DIVERSIONS
AMERICAN RIVER HYDROGRAPHIC UNIT

Diversion name	Location			References
or owner	number	Subunit	Plate 2 Sheet No.	Text and oppendixes Page No.
Diamond Ditch El Dorado Irrigation District	D10N/11N-19P1	Placerville	214	14, 40, 41, 61, 77, D-7, D-8
Diamond Springs Lime Company	D12N/9E-6Q1	Greenwood	14	57, C-37
Dueve, Harold	(See: Aperman,	, Amile)		
Echo Lake Conduit Pacific Gas and Electric Company	D11N/18E-6M1	Silver Lake	22	28, 40, 69, 77, C-22, D-22, D-23
Edwards, Anna M. Holstrom, Clare O. Hughes, Emma M. Marshall, Edna ^C . Rechenmacher, Frances H. Tillotson, Marvin	D14N/12E-14N1	French Meadows	9	56, C-18, C-26
El Dorado Ditch Pacific Gas and Electric Company	D11N/15E-29R1	Silver Lake	21	12, 40, 68, 75, C-2Ō, D-6, D-14, D-22
El Dorado Irrigation District		Ditch Ll Ditch er Ditch)		
Ench, Leo	D10N/11E-3P1	Placerville	24	60, 102
Esper, L. J. and E. Belle	D12N/8E-24J1	Folsom	14	52, 72, 100, C-31, C-33
Farmers Ditch Long, Claude C. Marks, Roy M. and Myrtle Mortara, Teresa Prouty, D. L. Sweeny, James W.	D10N/11E-19F1	Placerville	214	61, 73, 102, D-7, D-9
Finnon Reservoir State of California Department of Fish and Game	D11N/11E-16Q1	Coloma	19	48
Fisk, W. L.	D12N/10E-17D2	Coloma	14	50, C-28
Fisk, W. L. and Virginia	D12N/10E-17D1	Coloma	14	50, 100
Folsom Reservoir United States Bureau of Reclamation	D10N/7E-24G1	Folsom	23	14, 16, 23, 40, 51, 72, 77, 110, 6-22, 6-32, 6-33
Foresthill Public Utility District	D14N/10E-24L1 D14N/11E-8Q1 D14N/11E-17C1 D14N/11E-17F1	Foresthill Foresthill Foresthill	8 8 8	31., 54 54 54 54
Fossati, Elonar	DION/11E-4N1	Placerville	24	60, 102, C-32
Foulks, Guy G. and George W.	D16N/15E-8J1	Royal Gorge	4	63

TABLE 9
INDEX TO SURFACE WATER DIVERSIONS
AMERICAN RIVER HYDROGRAPHIC UNIT

Diversion and	Location			References
Diversion name ar owner	number	Subunit	Plote 2 Sheet No.	Text and appendixes Page No.
Francisco, John D.	D13N/9E-13N1	Greenwood	11	57
Fredericks, William C.	D10N/10E-33A1 D10N/10E-33C1	Placerville Placerville	24 24	59, 101, C-36 60, 102
Gallagher, Melvin and Frank	D11N/10E-17Q1 (See: Mansfie	Coloma ld Ditch)	19	46, 71, 99
Garland, Gordon H.	D11N/8E-1C1	Folsom	18	51, 72, 100, C-31
Gastaldi, Leon M. and G.	D11N/10E-33M1	Placerville	19	63, 99, 102, C-32
Gaylord Canal Pacific Gas and Electric Company	D12N/8E-20Q1	Folsom	14	52, 77, D-17, D-21
Georgetown Divide Ditch Georgetown Divide Public Utility District	D12N/12E-12P1	Rubicon River	15	12, 64, 73, D-10, D-12, E-6
Georgetown Divide Public Utility District	Gerle Co Loon Lal	own Divide Ditch reek Ditch	14	31, 57, 73, 100, 101, D-9
Cont. Co. In Dittale			3.0	/1 7 D 11
Gerle Creek Ditch Georgetown Divide Public Utility District	D13N/14E-15G1	Rubicon River	13	64, 74, D-11, E-9, E-10
Gold Hill Ditch El Dorado Irrigation District	D10N/11E-7P1	Placerville	24	60, 73, D-5, D-8
Gordon, R. L. Swanson, Dorotea	D13N/9E-35J1	Greenwood	11	57, 101, C-36
Granlee, J. D.	D12N/14E-13Q1	Silver Creek	16	66, 102
Gray, Donly	D16N/12E-26C1	Royal Gorge	3	63, 102, C-36
Gray, Euell Y.	D10N/9E-25D1	Placerville	23	58, C-34
Greenhalgh, Edwin W.	D10N/9E-30B1	Folsom	23	51, 100
Harris, B., A., and M.	D11N/12E-35H1	Coloma	20	49, 100
Harvey, Willard L. Murphy, Stanley D.	D13N/10E-5P1	Greenwood	11	57
Hassler, J. E., Estate of	D11N/11E-34G1 D11N/11E-34H1 D11N/11E-35F1	Coloma Coloma Coloma	19 19 19	48, 99 48, 99 48, 99
Hassler, J. R. Winkelman, A. C. and Juanita	D11N/11E-35M1	Coloma	19	ц8, 71, 100, с-26
Herzig, A.	(See: Coloma-	Lotus Ranch Ditch	1)	
Highland Lake United States El Dorado National Forest	D13N/16E-20N1	Rubicon River	13	65, 74

TABLE 9
INDEX TO SURFACE WATER DIVERSIONS
AMERICAN RIVER HYDROGRAPHIC UNIT

Diversian name	Location			References
or awner	number	Subunit	Plate 2 Sheet No.	Text and appendixes Page No.
Hocking, John S.	DION/11E-8G1	Placerville	24	60, 102
Hodgson, John R.	D16N/11E-1C1	Blue Canyon	3	44, 99, C-39
Holstrom, Clare 0.	(See: Edwards,	, Anna M.)		
Hughes, Brian B. and Emma M.	D14N/10E-31Q1	Foresthill	8	54, C-30, C-35
Hughes Brothers	D14N/11E-6M1	Foresthill	8	11, 54
Hughes, Dave	(See: Pacific	Slab Mine)		
Hughes, Emma M.	(See: Edwards, Hughes,	Anna M. Brian B.)		
Hulbert, Drummond	D14N/9E-27N1	Foresthill	8	54, 101
Ice Lakes Sierra Lakes Club	D17N/14E-34J1	Royal Gorge	2	63
Icehouse Reservoir Sacramento Municipal Utility District	D11N/14E-1N1	Silver Creek	21	65, C-30, E-9, E-10
Island Lake United States El Dorado National Forest	D12N/16E-23M1	Silver Creek	17	66, 75, C-34
Jacobs Creek Reservoir Stodick, L. D.	D11N/9E-23B1	Coloma	18	46, 99, C-30
Kahl, LeRoy and Jewell	D12N/10E-28B1	Coloma	14	50, 100, C-38
Karr, Florence B.	D10N/10E-3B1	Placerville	24	58, 101, C-30
Kelley, Joe P.	Dlin/8E-4ni	Folsom	18	51, 72, 100
Kelly Lake Pacific Gas and Electric Company	D17N/12E-25F1	Blue Canyon	1	Щ, 71, C-21, D-16
King, John D. and Barbara A.	D11N/17E-9M1	Silver Lake	22	69, C-25
Kurtz, Walter N. and Marjorie	D11N/9E-35B1	Placerville	18	62, C-37
Kyburz, Incorporated	D11N/15E-21R1 D11N/15E-22N1 D11N/15E-22N2	Silver Lake Silver Lake Silver Lake	21 21 21	68 68 68
Lake Aloha	(See: Medley I	Lakes)		
Lake Clementine California Debris Commission	_D13N/9E-31E1	Foresthill	11	12, 53
Lake Fountain Hector Williamson	D11N/9E-35R1	Placerville	18	62, 102
Lake of the Woods United States El Dorado National Forest	D12N/17E-32H1	Silver Lake	17	70, 75, D-23

TABLE 9
INDEX TO SURFACE WATER DIVERSIONS
AMERICAN RIVER HYDROGRAPHIC UNIT

Lake Valley Canal Pacific Gas and Electric Company Lake Valley Reservoir Pacific Gas and Electric Company Lake Valley Reservoir Pacific Gas and Electric Company Lake Valley Reservoir Pacific Gas and Electric Company Lapham, Ralph E. D10N/12E-35C1 Blue Canyon 1 12, h4, 71 Lapham, Ralph E. D10N/12E-1Q1 Placerville 25 61, C-33 Larsen, John, Lawrence and Ruth Larsen, Katherine C. and D10N/12E-4L1 Coloma 20 49, 71, 100, C-100 Coloma Lawrence Lake United States El Dorado National Forest Lewis, W. R. Roach, W. H. Lienau, John H. D14N/9E-22F1 Foresthill 8 53, C-31 Livingston, E. B. D10N/10E-3G1 Rubicon River 17 64, 73, C-34 Lois Lake United States El Dorado National Forest	Diversion nome	Location			References
Pacific Gas and Electric Company Lake Valley Reservoir Pacific Gas and Electric Company Lapham, Ralph E. and Rosetta D10N/12E-1Q1 Placerville 25 61, 0-33 25 45, 71, 100, 0-1 25 26 27 27 27 27 27 27 27			Subunit		
Pacific das and Electric Company Lapham, Ralph E. and Rosetta Larsen, John, Diln/12E-191 Placerville 25 61, 0-33 Larsen, John, Diln/12E-3H1 Coloma 20 49, 71, 100, 0-10 Coloma 25 45, 71, 99, 0-20 Larsen, Katherine C. and Dion/12E-41 Coloma 25 45, 71, 99, 0-20 Sons Lawrence Lake United States El Dorado National Forest Lewis, W. R. Roach, W. H. Lienau, John H. Dihn/9E-10Cl Placerville 23 58, 101 Livingston, E. B. Dion/10E-32J1 Placerville 24 59, 0-29 Lois Lake United States El Dorado National Forest Loon Lake Georgetown Divide Public Utility District Long, Claude C. (See: Farmers Ditch) Long, Claude C. (See: Farmers Ditch) Long, E. A. Di2N/9E-13D1 Coloma 1h 49, 71, 100 Lower Twin Lake United States El Dorado National Forest Luccini, Herman Di3N/10E-4K1 Greenwood 11 57, 101 Lumsden, Florence Dion/10E-221 Placerville 24 60, 0-30 Lung, Robert Lowell Dion/10E-211Cl Placerville 24 58, 101, 0-31 Lung, Robert Lowell Dion/10E-211Cl Placerville 24 59, 101, 0-33 Lyon, Alice E. Diln/17E-11L1 Silver Lake 22 31, 69, 0-25	Pacific Gas and Electric	D17N/12E-33B1	Blue Canyon	1	ц1, ц4, 71, 77, D-16
Larsen, John, Larsen, Katherine C. and Dlin/12E-3H1 Coloma 20 49, 71, 100, C- Sons Lawrence Lake United States El Dorado National Forest Lewis, W. R. Roach, W. H. Lienau, John H. Livingston, E. B. Dlin/16E-3Cl Rubicon River 17 64, 73, C-34 United States El Dorado National Forest Long, Claude C. Long, E. A. Dlin/9E-13Dl Coloma Dlin/9E-13Dl Coloma Dlin/9E-14Kl Coloma Dlin/9E-2Ql Silver Creek Dlin/16E-3Cl Rubicon River Dlin/9E-10Cl Placerville Dlin/9E-5H1 Rubicon River Dlin/9E-10Cl Placerville Dlin/9E-3Cl Rubicon River Dlin/9E-3Cl Rubicon River Dlin/9E-3Cl Rubicon River Dlin/9E-13Dl Coloma Dlin/9E-14Kl Coloma Dlin/9E-14Kl Coloma Dlin/9E-14Kl Coloma Dlin/9E-14Kl Creek United States El Dorado National Forest Luccini, Herman Dlin/10E-2Ql Silver Creek Dlin/16E-2QQl Silver Creek Dlin/16E-3Cl Silver Creek Dlin/16E-3Cl Silver Creek Dlin/16E-3Cl Silver Creek Dlin/9E-13Dl Coloma Dlin/9E-14Kl Creenwood Dlin/9E-14Kl Creenwood Dlin/9E-14Kl Creenwood Dlin/16E-2QQl Silver Creek Dlin/16E-2QQl Silver Creek Dlin/16E-2QQl Silver Creek Dlin/16E-3Cl Silve	Pacific Gas and Electric	D17N/12E-35C1	Blue Canyon	1	12,44,71
Lawrence and Ruth Larsen, Katherine C. and Sons Lawrence Lake United States El Dorado National Forest Lewis, W. R. Roach, W. H. Lienau, John H. Dlun/12E-12Fl Foresthill 8 53, C-31 Livingston, E. B. Dlon/10E-32Jl Placerville 24 59, C-29 Lois Lake United States El Dorado National Forest Loon Lake Georgetown Divide Public Utility District Long, Claude C. (See: Farmers Ditch) Lower Twin Lake United States El Dorado National Forest Lower Twin Lake United States El Dorado National Forest Luccini, Herman Dl3N/10E-12Rl Greenwood 11 57, 101 Lumsden, Florence Dl0N/11E-9Nl Placerville 24 60, C-30 Lung, Robert Lowell Dl0N/10E-2Pl Placerville 24 58, 101, C-31 59, 101, C-33 Lyon, Alice E. Dl1N/17E-11Ll Silver Lake 22 31, 69, C-25		D10N/12E-1Q1	Placerville	25	61, 0-33
Lawrence Lake United States El Dorado National Forest Lewis, W. R. Roach, W. H. Lienau, John H. Lienau, John H. Diun/16E-3D1 Placerville 23 58, 101 Livingston, E. B. Dion/10E-32J1 Placerville 24 59, 0-29 Lois Lake United States El Dorado National Forest Loon Lake Georgetown Divide Public Utility District Long, Claude C. Long, E. A. Di2N/16E-3B1 Rubicon River 13 12, 65, D-10, D E-5, E-9, E-10 Di2N/9E-13D1 Coloma Di2N/9E-14A1 Coloma Di2N/9E-14A1 Coloma United States El Dorado National Forest Luccini, Herman Di3N/10E-4K1 Greenwood Lung, Robert Lowell Di0N/10E-2Pl Placerville 24 58, 101, 0-31 Di0N/10E-11Cl Placerville 24 58, 101, 0-31 Syon, Alice E. Di1N/17E-11L1 Silver Lake 22 31, 69, 0-25	Larsen, John, Lawrence and Ruth	D11N/12E-31H1	Coloma	20	49, 71, 100, C-20
United States El Dorado National Forest Lewis, W. R. Roach, W. H. Lienau, John H. Lienau, John H. Dl\(\perp\text{N/9E-22Fl}\) Foresthill Eivingston, E. B. Dl\(0N/10E-32Jl\) Placerville United States El Dorado National Forest Loon Lake Georgetown Divide Public Utility District Long, Claude C. C(See: Farmers Ditch) Long, E. A. Dl\(2N/9E-1\perp\text{A}\) Dl\(2N/9E-1\perp\text{A}\) Dl\(2N/9E-1\perp\text{A}\) Dl\(2N/9E-1\perp\text{A}\) Dl\(2N/9E-1\perp\text{A}\) Dl\(2N/9E-1\perp\text{A}\) Dl\(2N/9E-1\perp\text{A}\) Dl\(2N/9E-1\perp\text{A}\) Dl\(2N/16E-22\pi\text{A}\)	•	D10N/12E-4L1	Coloma	25	45, 71, 99, C-22
Roach, W. H. Lienau, John H. Dl\u00e4N/9E-22Fl Foresthill 8 53, C-31	United States El Dorado	D12N/16E-9D1	Silver Creek	17	66, 74, C-34
Livingston, E. B. D10N/10E-32J1 Placerville 24 59, C-29 Lois Lake United States El Dorado National Forest Loon Lake Georgetown Divide Public Utility District Long, Claude C. (See: Farmers Ditch) Long, E. A. D12N/9E-13D1 Coloma 14 49, 71, 100 Lower Twin Lake United States El Dorado National Forest Luccini, Herman D13N/10E-4K1 Greenwood 11 57, 101 Lumsden, Florence D10N/11E-9N1 Placerville 24 60, C-30 Lung, Robert Lowell D10N/10E-2P1 Placerville 24 58, 101, C-31 59, 101, C-33 Lyon, Alice E. D11N/17E-11L1 Silver Lake 22 31, 69, C-25		D10N/9E-10C1	Placerville	23	58, 101
Lois Lake	Lienau, John H.	D14N/9E-22F1	Foresthill	8	53, C-31
United States El Dorado National Forest Loon Lake Georgetown Divide Public Utility District Long, Claude C. (See: Farmers Ditch) Long, E. A. Dl2N/9E-13Dl Coloma Dl2N/9E-14Al Coloma United States El Dorado National Forest Luccini, Herman Dl3N/10E-4Kl Greenwood Lumsden, Florence Dl0N/10E-9Nl Placerville Dl0N/10E-9Nl Placerville Dl0N/10E-11Cl Placerville Dl1N/17E-11Ll Silver Lake 22 31, 69, C-25	Livingston, E. B.	D10N/10E-32J1	Placerville	24	59, C-29
Georgetown Divide Public Utility District Long, Claude C. (See: Farmers Ditch) Long, E. A. D12N/9E-13D1 Coloma 14 49 49, 71, 100 Lower Twin Lake D12N/9E-14A1 Coloma 14 49, 71, 100 Lower Twin Lake United States El Dorado National Forest Luccini, Herman D13N/10E-4K1 Greenwood 11 57, 101 Lumsden, Florence D10N/11E-9N1 Placerville 24 60, C-30 Lung, Robert Lowell D10N/10E-2Pl Placerville 24 58, 101, C-31 59, 101, C-33 Lyon, Alice E. D11N/17E-11L1 Silver Lake 22 31, 69, C-25	United States El Dorado	D12N/16E-3G1	Rubicon River	17	64, 73, C-34
Long, E. A. D12N/9E-13D1 Coloma 14 49 49, 71, 100 Lower Twin Lake United States El Dorado National Forest Luccini, Herman D13N/10E-4K1 Greenwood 11 57, 101 Lumsden, Florence D10N/11E-9N1 Placerville 24 60, C-30 Lung, Robert Lowell D10N/10E-2Pl Placerville 24 58, 101, C-31 D10N/10E-11Cl Placerville 24 59, 101, C-33 Lyon, Alice E. D11N/17E-11L1 Silver Lake 22 31, 69, C-25	Georgetown Divide Public	D13N/15E-5H1	Rubicon River	13	12, 65, D-10, D-11, E-5, E-9, E-10
D12N/9E-14A1 Coloma 14 49, 71, 100 Lower Twin Lake United States El Dorado National Forest Luccini, Herman D13N/10E-4K1 Greenwood Lumsden, Florence D10N/11E-9N1 Placerville Lung, Robert Lowell D10N/10E-2Pl Placerville D10N/10E-11Cl Placerville D10N/10E-11Cl Silver Lake D11N/17E-11Ll Silver Lake D13N/10E-14K1 Greenwood D1 57, 101 D24 58, 101, C-31 D10N/10E-11Cl Placerville D1 59, 101, C-33	Long, Claude C.	(See: Farmers	Ditch)		
United States El Dorado National Forest Luccini, Herman Dl3N/10E-4Kl Greenwood 11 57, 101 Lumsden, Florence Dl0N/11E-9Nl Placerville 24 60, C-30 Lung, Robert Lowell Dl0N/10E-2Pl Placerville 24 58, 101, C-31 Dl0N/10E-11Cl Placerville 24 59, 101, C-33 Lyon, Alice E. Dl1N/17E-11Ll Silver Lake 22 31, 69, C-25	Long, E. A.	D12N/9E-13D1 D12N/9E-14A1			49 49, 71, 100
Lumsden, Florence D10N/11E-9N1 Placerville 24 60, C-30 Lung, Robert Lowell D10N/10E-2Pl Placerville 24 58, 101, C-31 D10N/10E-11Cl Placerville 24 59, 101, C-33 Lyon, Alice E. D11N/17E-11Ll Silver Lake 22 31, 69, C-25	United States El Dorado	D12N/16E-22Q1	Silver Creek	17	66, 7ц, c-35
Lung, Robert Lowell Dl0N/10E-2Pl Placerville 24 58, 101, C-31 Dl0N/10E-11Cl Placerville 24 59, 101, C-33 Lyon, Alice E. Dl1N/17E-11Ll Silver Lake 22 31, 69, C-25	Luccini, Herman	D13N/10E-4K1	Greenwood	11	57, 101
D10N/10E-11C1 Placerville 24 59, 101, C-33 Lyon, Alice E. D11N/17E-11L1 Silver Lake 22 31, 69, C-25	Lumsden, Florence	DION/11E-9N1	Placerville	24	60, C-30
	Lung, Robert Lowell				58, 101, C-31 59, 101, C-33
		D11N/17E-11L1	Silver Lake	22	31, 69, C-25
Lyons Lake D12N/16E-35B1 Silver Creek 17 67, 75, C-34 United States El Dorado National Forest	United States El Dorado	D12N/16E-35B1	Silver Creek	17	67, 75, C-34
Macy's Ditch D15N/10E-27Kl Foresthill 5 55 Macy, W. S., Estate of	_	D15N/10E-27K1	Foresthill	5	55

TABLE 9
INDEX TO SURFACE WATER DIVERSIONS
AMERICAN RIVER HYDROGRAPHIC UNIT

Diversion name	Location		References			
Diversion name or awner	number	Subunit	Plate 2 Sheet No.	Text and appendixes Page No.		
Mansfield Ditch Gallagher, Melvin and Frank	D11N/10E-16M1	Coloma	19	46, 99		
Markovich, E. B. and Theresa C.	D14N/9E-27H1	Foresthill	8	54, C-37		
Marks, Roy M. and Myrtle	(See: Farmers	Ditch)				
Marshal, Stewart A.	D10N/10E-23G1	Placerville	24	59, 101, C-29,		
Marshall, Edna C.	(See: Edwards,	Anna M.)		C-32		
Marshall, Mrs. James	(See: Darlingt	on, F.)				
Matthews, Don	D10N/12E-9B1	Placerville	25	61, 102		
McAulay, Malcolm	(See: Borrson,	Nioma)				
McGiachin Placer Gold Mining Company	(See: Big Rese	rvoir)				
Medley Lakes (Lake Aloha) Pacific Gas and Electric Company	D12N/17E-30G1	Silver Lake	17	12, 69, 75, C-20 C-22, D-22, D-23		
Merrill, Charles W. and Lorraine	D11N/10E-28K1	Coloma	19	47, 99, C-35		
Middle Velma Lake United States El Dorado National Forest	D13N/16E-36A1	Rubicon River	13	65, 74, C-34		
Miller, Richard M.	D11N/9E-8P1 D12N/9E-33L1	Coloma Coloma	18 14	45, C-30 50, 72, 100, C-2		
Monte Rio Pipe Pacific Gas and Electric Company	D11N/8E-5B1	Folsom	18	C-31 51, 77, D-17, D-21		
Moore, Lawrence T. and Vera	D11N/11E-32M1	Coloma	19	48, 99, C-29		
Mortara, Teresa	(See Farmers Di	itch)				
Morton, Earl and Grace F.	D16N/10E-36R1	Foresthill	3	55, 101, C-21		
Mosquito District Mutual Water Company	(See: Summerfi	ield Ditch)				
Murphy, Stanley D.	(See: Harvey,	Willard L.)				
Murray, Frank	D15N/10E-2C1	Foresthill	5	55, 101		
Muskavitch, Charles M. and Gail	D12N/8E-34D1	Folsom	14	53, 100, C - 35		
New Weber Ditch El Dorado Irrigation District	D10N/12E-18Q1	Placerville	25	14, 62, 73, C-20 D-7		

TABLE 9
INDEX TO SURFACE WATER DIVERSIONS
AMERICAN RIVER HYDROGRAPHIC UNIT

Diversion nome	Locotion			References
or owner	number	Subunit	Piote 2 Sheet No.	Text and appendixes Page No.
Niegel, Lawrence	D12N/9E-16J1 D12N/9E-16K1 D12N/9E-21H1	Coloma Coloma Coloma	14 14 14	49, 71, 100, C-31, 49, 71, 100, C-32, 50, 100
Niegel, Lawrence Bowen, Bernice	D12N/9E-21F1	Coloma	14	50, 71, 100, C-32
Niegel, Rudolph and Ora	D12N/8E-25A1 D12N/8E-25B1	Folsom Folsom	14 14	52, 100, C-32 52, 72, 100, C-33
North Fork Association	D16N/14E-13L1 D16N/15E-5P1		4 4	31, 63 63
North Fork Dam	(See: Lake Cl	ementine)		
Ostenrieder, Fred G.	D12N/10E-22N1	Coloma	14	50, 72, 100, C-32
Pacific Gas and Electric Company	America Boardma Colfax Echo La El Dora Gaylord Kelly L Lake Va Lake Va Medley Monte R	Pipeline ke Conduit do Ditch Canal ake lley Canal lley Reservoir Lakes (Lake Aloni io Pipe 11 Canal d Canal Lake anal anal kes	a)	
Pacific Slab Mine Hughes, Dave Wilson, W. E.	D15N/12E-35G1	French Meadows	6	56. 72, C-36
Paiva, Tony	D10N/10E-25E1	Placerville	24	59, 101
Peterson, Kai	DION/11E-13Q1	Placerville	24	60, 102
Pine Nut Ditch Davidson Brothers	D14N/13E-18H1	French Meadows	9	56, 72
Poole, Floyd	D11N/13E-35M1	Silver Lake	20	68, 103
Price, H. D.	D12N/10E-24K1 D12N/11E-30B1	Coloma Coloma	14 15	50, 100 51, 100
Prouty, D. L.	(See: Farmers	Ditch)		
Pulp Mill Canal Pacific Gas and Electric Company	D16N/10E-36Q1	Foresthill	3	1,1,55,72,77, D-19, D-20
Putt Lake Central Pacific Railroad Company	D17N/113-36P1	Blue Canyon	3	fήt

TABLE 9
INDEX TO SURFACE WATER DIVERSIONS
AMERICAN RIVER HYDROGRAPHIC UNIT

Diversion nome	Location			References
or owner	number	Subunit	Plate 2 Sheet No.	Text ond appendixes Page No.
Rechenmacher, Frances H.	(See: Edwards,	Anna M.)		
Richardson, Ernest K.	D11N/17E-9K1	Silver Lake	22	68, C-29, C-35
Roach, W. H.	(See: Lewis, W	7. R.)		
Roan, Kathyrn and Marian C.	D13N/9E-14A1	Greenwood	11	57, 101
Rockbound Lake United States El Dorado National Forest	D13N/16E-6R1	Rubicon River	13	65, 74, C-35
Ropi Lake United States El Dorado National Forest	D12N/17E-32P1	Silver Lake	17	70, 76, C-34 D-23
Rumpel, Alton W. and Myrle J.	D12N/11E-18P1	Coloma	15	50, C-39
Rupley, Fay M.	D10N/11E-11C1 D10N/11E-11C2 D10N/11E-11G1	Placerville Placerville Placerville	2l ₄ 2l ₄ 2l ₄	60, 73, 102, C-3 60, 102, C-38 60, 102, C-38
Sacramento Municipal Utility District	(See: Icehouse	Reservoir)		
Schaefer, Otto	D11N/17E-17G1 D11N/17E-18H1 D11N/17E-18H2 D11N/17E-18M1	Silver Lake Silver Lake Silver Lake Silver Lake	22 22 22 22 22	69, C-26, C-28 69 69 69, C-29, C-31
Schmidell Lake United States El Dorado National Forest	D13N/16E-33J1	Rubicon River	13	65, 74, C-34
Schubin, Nick J.	D11N/9E-36F1	Placerville	18	62, 102, C -3 0
Shirland Canal Pacific Gas and Electric Company	D12N/8E-15P1	Folsom	14	C-32, C-33 52, 77, D-17, D-21
Sierra Lakes Club	(See: Ice Lake	es)		
Sickels, M. J.	(See: Lyon, Al	lice E.)		
Silver Fork Improvement Club	D11N/15E-28P1	Silver Lake	21	68, C-33
Silver Lake Pacific Gas and Electric Company	D10N/17E-32Q1	Silver Lake	27	12, 67, C-20, C-22, D-21, D-23
Singleton, C. L. and R. E.	D11N/9E-27M1	Coloma	18	46
Sly Park-Camino Conduit United States Bureau of Reclamation	D10N/12E-14L1	Placerville	25	14, 40, 61, 77, D-7, D-8
Smith, Hugh H., Estate of	D10N/10E-21A1	Placerville	24	59, C-32

TABLE 9
INDEX TO SURFACE WATER DIVERSIONS
AMERICAN RIVER HYDROGRAPHIC UNIT

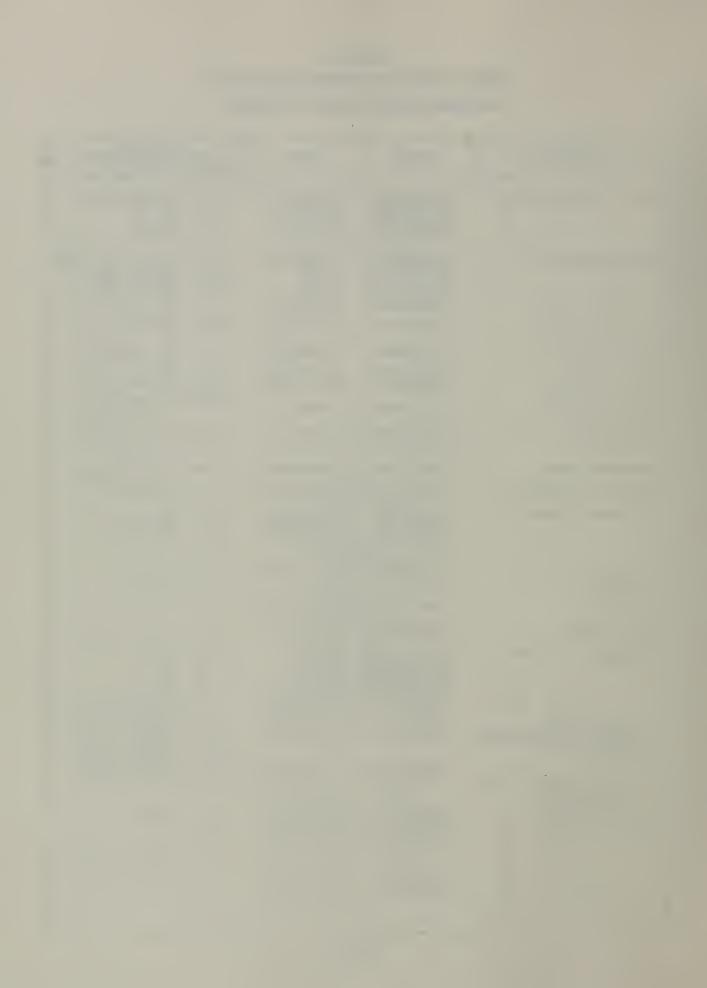
Diversion nome	Locotion			References
or owner	number	Subunit	Plote 2 Sheet No.	Text ond appendixes Page No.
Smith Lake United States El Dorado National Forest	D12N/16E-26M1	Silver Creek	17	67, 75, C-34
Smith, Neal D. and Inez I.	(See: Chiquit	a Lake)		
South Canal Pacific Gas and Electric Company	D12N/8E-32P1	Folsom	14	53, 77, D-16, D-17, D-18
South Fork Ditch Georgetown Divide Public Utility District	D13N/14E-27 ^B 1	Rubicon River	13	64, D-11
Southern Pacific Company	D16N/11E-11A1 D17N/12E-33B2 (See: China S	Blue Canyon	3	31, 44 44
Spence, Robert C. and Faye E.	D11N/10E-18N1	Coloma	19	47, 99, C-35
State of California Department of Fish and Game	D11N/15E-23N1 (See: Finnon		21	69, C-35
State of California Division of Beaches and Parks	(See: Coloma-	Lotus Ranch Ditc	h)	
Steves, C. A.	D11N/9E-6A1	Coloma	18	45, 99
Stockton Box Company	D14N/10E-34A1 D14N/10E-35D1 D14N/13E-8M1	Foresthill Foresthill French Meadows	8 8 9	11, 54, C-39 54, C-39 56, C-32
Stodick, L. D.		Lotus Ranch Ditc Creek Reservoir)		
Strawberry Creek Lot Owner's Association	D11N/17E-30C1	Silver Lake	22	31, 69, C-28
Sturgill, Ralph and J. J.	D15N/13E-5M1 D15N/13E-7B1	French Meadows French Meadows		57, 72, C-22 57
Sturmfeder, F. H. R.	(See: Aperman	, Amile)		
Summerfield Ditch Mosquito Ditch Mutual Water Company	D12N/12E-28F1	Coloma	15	51, 100
Swanson, Dorotea	(See: Gordon,	R. L.)		
Sweeny, James W.	(See: Farmers	Ditch)		
Swift, R. S.	D12N/14E-16F1 D12N/14E-16M1 D12N/14E-16Q1	Silver Creek Silver Creek Silver Creek	16 16 16	66, 103 66, 103 66, 103
Taylor, Earl D. and Alice M.	D11N/10E-14J1	Coloma	19	46, 99
Terrasell, Incorporated	D10N/10E-28L1	Placerville	214	59

TABLE 9
INDEX TO SURFACE WATER DIVERSIONS
AMERICAN RIVER HYDROGRAPHIC UNIT

Diversion name	Location			References
or owner	number	Subunit	Plote 2 Sheet No.	Text ond appendixes Poge No.
Threlkel, N. E.	D12N/8E-32A1 D12N/8E-32A2	Folsom Folsom	14 14	52, 100 52, 100
Tillotson, Marvin	(See: Edwards,	Anna M.)		
Toem Lake United States El Dorado National Forest	D12N/17E-32N1	Silver Lake	17	70, 76, C-34, D-23
Towle Canal Pacific Gas and Electric Company	D16N/11E-21E1	Foresthill	3	41, 55, 72, 77, D-19, D-20
Trowbridge, K. W. and Melba	DllN/9E-7Rl	Coloma	18	46, C-32
Twin Lakes Pacific Gas and Electric Company	D10N/18E-18N1	Silver Lake	27	12, 28, 67, C-20, C-22, D-21, D-23
United States Bureau of Reclamation	(See: Folsom F Sly Parl	Reservoir «-Camino Conduit)		
National Forest	Clyde Le Highland Island I Lake of Lawrence Lois Lal Lower Tu Lyons Le Middle V Rockbour Ropi Lal Schmidel Smith Le Toem Lel Upper Tu Winnemue	Lake Lake Lake Lake Lake Lake Lake Lake		
United States Tahoe National Forest	D16N/11E-2Q1 D15N/11E-9L1	Blue Canyon Foresthill	3 5	44, C-25 55, 101, C-33
Upper Twin Lake United States El Dorado National Forest	D12N/16E-22R1	Silver Creek	17	66, 75, C-34
Van Riper, J. E.	D12N/8E-32H1 D12N/8E-32H2	Folsom Folsom	14 14	52, 100 52, 100
Veerkamp, L. W.	D11N/10E-32J1 D11N/10E-32L1	Placerville Placerville	19 19	63, 73, 102, C-30 63, 102, C-31,
	D11N/10E-29Q1	Coloma	19	C-32 47, 71, 99
Veerkamp, Malcolm				

TABLE 9
INDEX TO SURFACE WATER DIVERSIONS
AMERICAN RIVER HYDROGRAPHIC UNIT

Diversion nome	Locotion		References					
or owner	number	Subunit	Plate 2 Sheet No.	Texf ond oppendixes Poge No.				
Vicini, Joe and Lillian	D11N/9E-16Q1 D11N/9E-16Q2 D11N/9E-21A1 D11N/9E-21H1	Coloma Coloma Coloma Coloma	18 18 18 18	46, 99, C-35 46, 99, C-35 46, 99 46, 99				
Volz, George H. and Isabelle D.	D11N/10E-33A1 D11N/10E-34E1 D11N/11E-33B1 D11N/11E-33B2 D11N/11E-33J1	Coloma Coloma Coloma Coloma Coloma	19 19 19 19	47, 99, 102, G-32 47, 99, 102, G-31 48, 99, G-32 48, 99, G-32 48, 99				
Wakefield, John M.	D10N/17E-21E1	Silver Lake	27	67, 103				
Welch, W. H.	D11N/17E-8R1	Silver Lake	22	68, C-23				
Wessels, Fred	D10N/9E-36M1 D10N/9E-36N1	Placerville Placerville	23 23	58, 101 58, 101				
West, Harvey E.	D11N/12E-25L1	Coloma	20	49, C-37				
White, William J. and Ruth E.	D12N/8E-13R1	Folsom	14	52, 100, C-33				
Wilkinson, Kenny	D10N/10E-3Q1	Placerville	24	59, 101				
Wilkinson, Richard J.	D11N/10E-33L1	Placerville	19	63, 102				
Williamson, Hector	D10N/9E-1J1 D10N/9E-1K1 D11N/9E-35L1 (See: Lake Fo	Placerville Placerville	23 23 18	58 58, 101 62, 102, C-37				
Wilson, G. Jr. and Bertha L.	DllN/16E-7Al	Silver Creek	22	65, 102				
Wilson, W. E.	(See: Pacific	Slab Mine)						
Winje, Norman	D11N/10E-29C1	Coloma	19	47, 99, C-31				
Winkelman, A. C. and Juanita	D11N/11E-35A1 D11N/11E-35K1 D11N/11E-35Q1 D11N/11E-36K1 (See: Hassler	Coloma Coloma Coloma	19 19 19 19	48, 99 48 49 49, 100				
Winnemucca Lake United States El Dorado National Forest	D10N/18E-34E1	Silver Lake	27	67, 75, C-34 D-23				
Wrights Lake United States El Dorado National Forest	D12N/16E-32G1	Silver Creek	17	67, 75, C-34				
Wygersma, W. R. A.	DION/11E-2L1	Coloma	24	45, 99				



Reported herein are the results of a survey of present land use as related to water use and a brief summary of historical land use. A thorough knowledge of the nature and extent of land and water uses under past and existing conditions is one of the primary requisites in evaluating future water requirements within the hydrographic unit.

Historical Land Use

ant need of the mining population for agricultural products resulted in the first planting of vegetable crops near Union Bar and Coloma. The first planting of grain and initial orchard development followed closely. Agriculture gradually expanded until about 1880 and then declined until after World War I, when increased economic demand caused expanded agricultural production with orchards predominating. The depression years of the 1930's forced a decline in agriculture but since 1940 both irrigated agriculture and livestock raising have increased.

Present Land Use

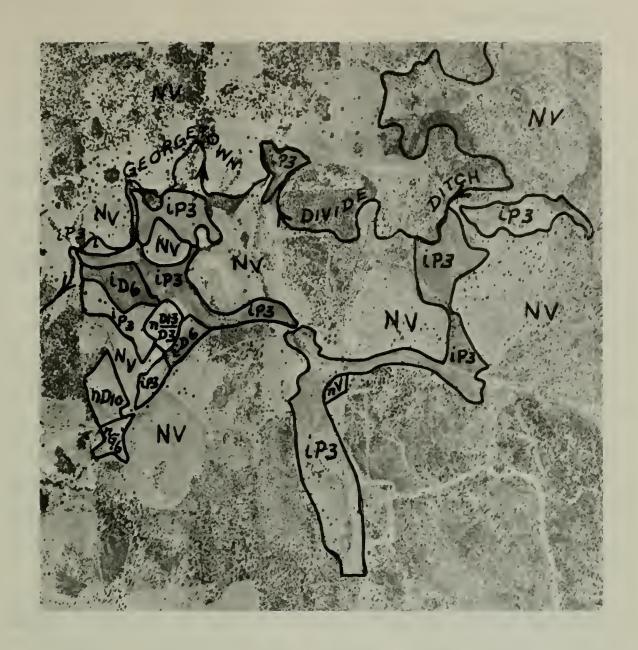
A detailed land use survey in the American River Hydrographic Unit was conducted in 1960 in which the land uses were mapped as they related to water use such as irrigated, dry-farmed, urban, recreational, naturally high water table lands, and native vegetation. Sheets 1 through 28 of Plate 2 detail this land use. Gross land use areas

within each subunit are presented in Table 10. These values include nonwater service areas such as roads, ditches, building and storage areas, and miscellaneous rights-of-way, which occur within the mapped areas.

Methods and Procedures

Field observations of land use were plotted on aerial photographs which had previously been used to locate surface water diversions. An example of land use delineated on an aerial photograph is shown on Page No. 93. After completion of the field mapping, the data was transferred to United States Geological Survey quadrangle maps reproduced at a scale of 1:24,000 to bring the delineated areas to a common scale for accurate determination of acreages. These maps showing the location of all diversions and the irrigated fields, including idle and fallow lands associated with each irrigation diversion, was colored according to the land use categories. These work maps were then used in the preparation of Plate 2.

Another series of these maps was used to compute the land use acreages. Each delineated area on these maps was manually cut out and carefully weighed on an analytical balance. These weights were converted to acreages using ratios determined for each of the individual maps. This method has proven to be an accurate and expedient means of area determination where a large number of small parcels is involved.



Example of Land Use Delineated on Aerial Photograph

Symbols used in this photograph:

iP3	- irrigated mixed	nG6 - dry-farmed miscel-
	pasture	laneous hay and
iD6	- irrigated pears	grain
nV	- dry-farmed vineyards	n D13 - dry-farmed walnuts
nD10	- dry-farmed miscel-	D3 intercropped with
	laneous deciduous	cherries
	orchard	NV - native vegetation

Irrigated Lands

Irrigated lands, as designated in this report, include all agricultural lands which receive artificially applied water. Acreages are reported in Table 11 by surface water diversion or by ground water, and by subunits showing the crop grown. Irrigated lands were segregated into pasture, orchard, and idle and fallow lands. Pasture was further subdivided into mixed, and native pasture; the latter comprising native pasture lands having a high water table induced by the application of irrigation water. Idle lands are those which were not irrigated in the year of survey but which had been irrigated within the preceding three years. Fallow lands are those cultivated lands which may have been irrigated during the year of survey, but which at the time of survey were only tilled and not planted to a crop.

The lands irrigated by surface water were identified by diversion and by crop irrigated. Lands irrigated by ground water were identified by crop only. On Plate 2 irrigated lands are grouped into three categories: (1) lands which received a full irrigation during the year of survey; (2) lands which received only a partial irrigation because of insufficient water supply; and (3) lands usually irrigated but which were idle or fallow in 1960.

Naturally High Water Table Lands

In addition to the lands which receive applied water as described above, there are lands supporting vegetation utilizing water from a naturally high water table, such as

mountain meadows or lands adjacent to lakes and streams

These are shown in Table 10 as "Meadowlands" and on Plate 2

as "Naturally irrigated meadowlands." If standing water was
observed in an area on which tules, cattails, bullrushes,
and similar vegetation were growing, the area is shown in

Table 10 and on Plate 2 as "Marshlands."

Dry-farmed Lands

Dry-farmed lands are those lands normally planted to a crop but which do not receive artificially applied water. This includes all lands so farmed whether or not a crop is produced in the year of survey. Although lands were mapped as "dry-farmed idle" if uncultivated in the year of survey and "dry-farmed fallow" if tilled but without a crop, they are shown in Table 10 and on Plate 2 as "dry-farmed lands." Lands which had been uncultivated for more than three years and appeared to have reverted to "native vegetation" were so mapped.

It should be noted that the term "dry-farmed" as used herein refers to the farming practice on these lands and not to a lack of soil moisture.

Since noncultivated rangelands are usually indistinguishable from similar lands not used for grazing purposes,
both were designated as native vegetation. Water use in both
cases is essentially the same and is dependent upon precipitation.

Urban Lands

Urban lands include the total areas of cities, towns, small communities, industrial plots, and military reservations

which are large enough to be delineated. Also included are parks, golf courses, race tracks and cemeteries within or near urban boundaries. The areas shown on Plate 2 and in Table 10 are gross delineations, including streets and vacant lots, and may not have been fully developed at the time of survey. The boundaries of urban communities were delineated to include all lands with a density of one house or more per two acres.

Recreational Lands

Recreational lands were mapped on aerial photographs in the field by four categories: (1) residential, (2) commercial, (3) camp and trailer sites, and (4) parks. Recreational residential lands include permanent and summer home tracts within a primarily recreational area. The estimated density of homes per acre was also indicated. Recreational commercial lands include those containing motels, resorts, hotels, stores, restaurants and similar commercial establishments in primarily recreational areas. Lands mapped in the camp and trailer sites category included areas so used within primarily recreational areas but outside park boundaries. All area within park boundaries was included without regard to specific uses within them. Nearly all of the mountainous and water surface areas are suitable for some use such as hunting, fishing, hiking, picnicking or similar activities. For the purpose of this land use survey, however, consideration was given only to those lands where some fairly intensive development occurs which requires water service.

The recreational lands are combined into one group in Table 10 and on Plate 2. As for urban lands, the recreational areas delineated were not necessarily fully developed.

Native Vegetation

Lands essentially in a native state and not included in any of the above categories were mapped as native vegetation. These lands are generally used for mining, commercial timber production, livestock range, and recreational activities. They totaled 1,164,235 acres or 98 percent of the land within the American River Hydrographic Unit. Included in these areas were some farm buildings and storage areas, water surfaces, scattered residences and other isolated uses covering a few acres or less which were too small to be mapped separately.

TABLE 10

LAND USE IN

AMERICAN RIVER HYDROGRAPHIC UNIT, 1960
(In acres)

	T	Natural	ly high					
Subunit and County	Irrigated	water tab		Dry-farmed	Urban	Recreational	Native	Tatal
	lands	Meadawlands	Marsh lands	lands	lands	londs	vegetatio	
Blue Canyon Nevada County Placer County Total	0 <u>26</u> 26	0 <u>158</u> 158	0 0	0 0 0	0 <u>33</u> 33	0 15 15	298 <u>34,467</u> 34,765	298 34,699 34,997
Coloma El Dorado County	4,165	171	0	290	933	208	156,532	162,299
Folsom El Dorado County Placer County Sacramento County Total	930 1,505 0 2,435	16 0 0 16	·0 0 0 0	320 70 0 390	236 482 <u>0</u> 718	3,627 1,426 <u>124</u> 5,177	41,824 8,867 <u>1,200</u> 51,891	46,953 12,350 <u>1,324</u> 60,627
Foresthill Placer County	306	10	0	89	627	76	97,535	98,643
French Meadows El Dorado County Placer County Total	0 0	0 21 21	0 0	0 0 0	0 26 26	0 _11 11	658 130,269 130,927	658 130,327 130,985
Greenwood El Dorado County Placer County Total	98 <u>11</u> 109	21 - 7 - 28	<u>0</u>	39 <u>65</u> 104	61 <u>204</u> 265	14 -3 17	36,418 24,399 60,817	36,655 24,689 61,344
Placerville El Dorado County	3,853	169	3	101	3,267	70	57,009	64,472
Royal Corge Nevada County Placer County Total	0 <u>-9</u> 9	0 <u>333</u> 333	0 0 0	0 -0 0	0 0	0 <u>51</u> 51	80 <u>89,778</u> 89,858	80 <u>90,171</u> 90,251
Rubicon River El Dorado County Placer County Total	14 0 14	231 224 455	0 <u>18</u> 18	0 0 0	3 -0 3	73 0 73	94,462 <u>107,029</u> 201,491	94,783 107,271 202,054
Silver Creek El Dorado County	82	763	0	0	4	104	112,404	113,357
Silver Lake Alpine County Amador County El Dorado County Total	0 12 24 36	103 113 <u>546</u> 762	0 0 -0	0 0 0	0 0 <u>86</u> 86	28 197 1,225 1,450	12,450 10,215 148,341 171,006	12,581 10,537 150,222 173,340
ALPINE COUNTY AMADOR COUNTY EL DORADO COUNTY NEVADA COUNTY PLACER COUNTY SAGRAMENTO COUNTY	0 12 9,166 0 1,857	103 113 1,917 0 753	0 0 7 0 18 0	0 0 750 0 224 0	0 0 4,590 0 1,372	28 197 5,321 0 1,582 124	12,450 10,215 647,648 378 492,344 1,200	12,581 10,537 669,399 378 498,150 1,324
TOTAL	11,035	2,886	25	974	5,962	7,252	1,164,235	1,192,369

5	Diversion nome	Pos	ture			Orch	. 0	Total	Idle				
Diversion location	or owner	Mixed	Notive	Apples	Cherries	Peors	Plums	Wolnuts	Misc.	Misc.	londs Irrigated	or follow	Total
				B) I	JE CAN	ON SII	RUNIT						
				900		011 30							
D16N/11E-1C1	John R. Hodgson		26	_	_			_		_	<u>26</u> 26		<u>26</u> 26
Total I	Blue Canyon Subunit	D	26	0	D	0	0	0	0	0	26	0	20
			1		COLOM	A SUBU	I INIT						
01DN/11E-2L1	W. R. A. Wygersma					14					24		ų
D10N/11E-3J1	W. C. Cumming					10					10		10
D10N/12E-4L1	Katherine C. Larsen			83		7 D					153 ^m		153
	and Sons										17		17
DIIN/9E-3HI	Byron and Francis Bacchi	17									-		
DIIN/9E-6AI	C. A. Steves	13									13		13
Dlln/9E-7Bl	B. Binshi		3							1	Žį.		1
D11N/9E-12C1	Byron and Francis Bacchi	11									11	2	13
D11N/9E-12F1	Byron and Francis Bacchi	9									9		9
D11N/9E-16Q1 D11N/9E-16Q2 D11N/9E-21-Q1 D11N/9E-21-Q1	Joe and Lillian Vicini	5				l					5		:
D11N/9E-23.	Jacobs Ereek Rescrivity										D	90	9
Dlln/lòE-14Jl	Earl D. and Alice M. Taylor	7						2			9		
D11N/10E-16M1 D11N/10E-17Q1	Mansfield Ditch Melvin and Frank Gallagher	10									10	2	1:
D11N/10E-18N1	Robert C. and Faye E. Spence										0	6	
D11N/10E-26L1	Coloma-Lotus Ranch Ditch	91	49 ^c			39				2	181	44	22
D11N/1 0 E-28K1	Charles W. and Lorraine Merrill					5					5		
Dlln/lde-29Cl	Norman Winje					7					7		1
D11N/10E-29Q1	Malcolm Veerkamp	35							5		40		40
D11N/10E-33A1	George R. and Isabelle D. Volz					5					5		
D11N/1DE-33A2	Leo A. Akin					26					26		26
Dlln/10E-33Ml (Placarville Subunit)	Leon M. and G. Gestaldi			•		1					1		:
DIIN/IOE-34E1	George H. and Isabelle D. Volz					11					11		1.
DIIN/III32KI	Lawrence T. and Vera Moore	6									6 m		
D11N/11E-33B1 D11N/11E-33B2 D11N/11E-33J1	George H. and Ieabelle D. Volz					38					38 ^m		38
DIIN/ILE-33JI	George H. and Isabelle D. Volz					8					8 ^m		
D11N/11E-3/G1	J. E. Massler Estate					21					21		21
D11N/1)E-34H1	J. E. Rassler Estate					2					2		2
D11N/11E-34K1	Lucy M. Brunius					26					26		20
011N/11E-35A1	A. C. and Junnita Winkelman					29					29		29
D11M/11E-35F1	J. E. Wassler Estate					14					14		11
											1		1

For lettered footnotes, see last page of table.

Diversion	Pas	ture	Orchards							, Total lands	1dle or	Total	
location	or owner	Mixed	Native	Apples	Cherries	Pears	Plums	Walnuts	Misc.	Misc.	lands Irrigated	fallow	10101
				COLON	 A SUBU	NIT (C	ontinued) 3)					
011N/11E-35ML	J. R. Hassler A. C. and Juanita Winkelman			11		6					17		17
Dlin/ile-36ki	A. C. and Juanita Winkelman					54					54	19	73
D11N/12E-31H1	John, Lawrence and Ruth Larsen			7		56					63		63
D11N/12E-35H1	B., A., and M. Harrie			3		5					8 ^m		8
D12N/9E-14A1	E. A. Long	15									15		15
D12N/9E-16J1	Lawrence Niegel	30									30		30
D12N/9E-16K1	Lawrence Niegel	26									26		26
D12N/9E-21F1	Lawrence Niegel and Bernice Bowen	18									18		18
D12N/9E-21H1	Lawrence Niegel		9								9		9
D12N/9E-33L1	Richard M. Miller	50									50		50
D12N/9E-34L1	Byron and Francis Bacchi		36								36		36
D12N/10E-17D1	W. L. and Virginia Fisk	7					;				7		7
D12N/10E-22N1	Fred C. Ostenrieder		22								22		22
D12N/10E-24K1	H. D. Price		16								16		16
012N/10E-28B1	LeRoy and Jewell Kahl		5								5		5
D12N/11E-30B1	N. D. Price		23								23		23
D12N/12E-28F1	Summerfield Ditch		105 ^d						10 ^b		115		115
El Dorado Irriga	tion District	108		283 ^f		1,364 ^g	8			19	1,782	43	1,825
Georgetown Divid District	e Public Utility	723°	123		35	70		29	10		990		990
	ted by ground water	4	4	_	-		_	_	_	_	8		
Total	Coloma Supunit	1,185	395	387	35	1,871	8	31	25	22	3,959	206	4,165
	ı				FOLSOM	SUBUI	VIT						
D10N/9E-30B1	Edwin W. Greenhalgh	h	ш								11		11
D11N/8E-1C1	Gordon N. Garland	42 ^b									42 ⁿ		42
D11N/8E-4N1 D12N/8E-13R1	Joe P. Kelley William J. and	8 6					1				8		6
D12N/8E-24J1	Ruth E. White	34									34 ⁿ		34
D12N/8E-25B1 D12N/86-25AL	Esper Rudolph and Ore	18									18 ⁿ		16
D12N/86-25AL D12N/8E-32AL D12N/8E-32A2	Niegel N. E. Threlkel					19					19		19
012N/8E-32H1	J. E. Van Riper					4					4		4
D12N/8E-32N2	J. E. Van Riper					4					4		4
D12N/8E-32J1	H. E. Crosthwaite					10					10 ^p		10
D12N/8E-33N1	Nioma Borreon Malcolm NcAuley	4					8				12		12
D12N/8E-34D1	Charles M. and Gail Muskavitch	21									21.		21
07 011 /OT 02 112	Lon Denieon	24,				61					85 ⁿ		8:
D12N/9E-31N1								1					

For lettered footnotes, see last page of table.

Diversion	Diversion name	Pos	ture			Orch			Idle	Tetal			
location	Or owner	Mixed	Native	Apples	Cherries	Pears	Plums	Wolnuts	Misc.	Misc.	londs irrigated	or follow	Total
				 FOLSO	M SUBU	NIT (C	ontinue:	d)					
Pacific Gas and	 Electric Company	59	9			653 ^k	557	2	110	37	1,427		1,427
	Foleom Subunit	674	55	-	37	941	565	10	110	43	2,435		2,435
										, ,,,,		,433	
				50	RESTHIL	L SUB	UNIT			ļ			
D13N/9E-4L1	C. Srunkhorst	4	8								12		12
D14N/9E-10P1	Virginia Delaindico		11								п		11
014N/9E-27N1	Drummond Hulbert	5									5 ^P		5
D15N/10E-2C1 D15N/11E-9L1	Frank Murray United States Tahoe		7								7		7
DIOM ITE-API	National Forest		7		ļ						4		9
016N/10E-36RL	Earl and Grece F. Morton								10		10		10
Pacific Gas and	Electric Company	19	8			200	3		4		234		234
Lands irrig	ated by ground water	_15 ^h	_3	_							18		18
Total	Foreethill Subunit	43	46	o	o	200	3	0	14	0	306	0	306
				FREN	 Ch meai	nows s	URUNIT						
			ļ	111214		, , , , , , , , , , , , , , , , , , , 	000111						
				(No diver	ione locate	ed in this	subunit)						
				GF	EENWO	OD SUE	UNIT						
D13N/9E-14A1	Kethryn and Marion C. Roan	4		_							4		4
D13N/9E-35J1	R. L. Gordon Dorotes Swanson	9									9		9
D13N/10E-4K1	Herman Luccini		3								3		3
014N/11E-17J1	L. L. Anderson			4							49		4
Georgetown Divid	e Public Utility	41.	24,	3		16			5		89		89
District				<u> </u>	-	_	_	_	_	_			
Total	Greenwood Subunit	54	27	7	0	16	0	0	5	0	109	٥	109
				PLA	CERVIL	LE SUE	BUNIT						
010N/9B-1K1	Nector Williamson		7								7		7
D10N/9E-9A1	Vinton R. Veerkamp	n									11 ^q		11
D10N/9E-10C1	W. R. Lewis W. H. Roach	9									99		9
D10N/9E-10D1 D10N/9E-9A1	Vinton R. Veerkamp	9р									99		9
010N/9E-36M1 D10N/9E-36N1	Fred Wessels		7 ^b								7		7
D10N/10E-1M1	John H. Caswell					6					6	10	16
D10N/10E-2P1	Robert Lowell Lung	4				n		3	ı	6	25 ^m	2	27
010N/10E-381	Florence S. Karr					17					17		17
D10N/10E-3N1	S. F. Deming										0	3	3
D10N/10E-3Q1	Kenny Wilkinson									5	5		5
D10N/10E-11C1	Robert Lowell Lung					3		7			10		10
10N/10E-18C1 Allied Capital Corporation		170									110		110
D10N/10E-23G1						14			1		15 ^m		15
D10N/10E-25E1	Tony Paiva		4								4		L
DION/10E-33Al William C, Fredericke						18					18 ^m		18

For lettered footnotee, see last page of table.

Diversion	Diversion name	Pas	ture		,	Orch	ords	a	Total	Idle			
lacation	or owner	Mixed	Native	Apples	Cherries	Pears	Plums	Wainuts	Misc.	Misc.	lands irrig a ted	or fallow	Total
			PI	ACERV	LLE SU	IRIINIT	(Cantin	ned)					
D10N/10E-33C1	William C.	1	'-'			17					18 ^m		10
DION/ 1012-3301	Fredericks	_				-1					10		18
D10N/11E-3P1	Leo Ench					19					19		19
DION/11E-4N1	Elonar Fossati					9					9		9
DION/11E-8A1	John Bisagno					46					46		46
DION/11E-8G1	John S. Nocking										0	5	5
Dlon/llE-11C1 Dlon/llE-11C2	Fay M. Rupley	14				21					35		35
DION/LIE-LIGI	Fay M. Hupley	11									11		11
D10N/11E-13Q1	Kai Peterson	7									7		7
D10N/11E-14C1	Emilio P. and Edith M. Canepa	4				11					15 ^m		15
D10N/11E-19F1	Farmera Ditch	127	26 ¹	6		103					262 m		262
DlON/11E-22D1	F. Darlington Mrs. James Marshall	14									14		14
D10N/12E-8Q1	Nerbert N. and Betty E. Bernd			2		19					21 ^m		21,
D10N/12E-9B1	Don Matthews		3								3		3
D10N/13E-5M1	George Browning			4 ^b		5 ^b					9		9
D11N/9E-35R1 D11N/9E-35L1	Lake Fountain Hector Williamson	5	12								17		17
DllN/9E-36F1	Nick J. Schubin	32									32	7	39
D11N/10E-31Q1	Leo A. Akin					11					n		11
D11N/10E-32J1	L. W. Veerkamp	2				7					9		9
D11N/10E-32L1	L. W. Vearkamp					26					26		26
D11N/10E-33A1	Georga H. and Iaabelle D. Volz					2					2		2
D11N/10E-33A2 (Coloma Sub- unit)	Leo A. Akdin					13					13		13
D11N/1OE-33L1 (Coloma Subunit)	Richard J. Wilkinson					10					10		10
D11N/10E-33M1	Leon M. and G. Gastaldi					23					23		23
DllN/10E-34El (Coloma Subunit)	George H. and Isabella D. Volz					13					13		13
El Dorado Irrigat	cion District	242	10,1	69		2,567		3	31	7	2,929	12	2,941
Lands irriga	stad by ground water	4							3		7	0	7
Total 1	Placerville Subunit	606	69	81	0	2,991	D	13	36	18	3,814	39	3,853
				ROYA	L GORG	 E SUBL	JNIT						
D16N/12E-26C1	Donly Gray								_9		_9		_ 9
,	Noyal Gorge Subunit	0	0	_	0	_ 0	_	0	9		9	- 0	9
				RUBIC	ON RIVE	 ER SUB	UNIT			į			
D12N/12E-11J1	Byron and Francic Escchi		14								14		14
Total I	Aubicon River Subunit	0	14	0	0	0	D	0	σ	0	14	0	14
				SILVE	R CREE	K SUB	TINU						
DIIN/16E-7AI	G., Jr. and Bertha L. Wilson		8								8		8
D12N/14E-13Q1	J. D. Granlee		7								7		7

	Diversion name Pasture										Total	Idle	
Diversion location	Diversion nome or owner	Mixed	Native	Apples	Cherries	Orch Pears	Plums	Walnuts	Misc.	Misc.	lands irrigated	or	Total
					D55# 0		//						
				VER C	REEK S	<u>UBUNIT</u>	(Conti 	inued) 					
D12N/14E-16F1 D12N/14E-16M1	R. S. Swift R. S. Swift		29 16								29 16		29 16
D12N/14E-16Q1	R. S. Swift		_22								22		_22
	Silver Creek Subunit		82	0	0	0	0	0		0	82	_ 0	82
				SIL	VER LA	KE SUE	 RIINIT						
D10N/17E-21E1	John M. Wakefield		12	OIL.		<u> </u>					12		12
	Floyd Poole					4					4		4
El Dorado Irrigat			2								2		2
Lands irrig	ated by ground water	_	_	<u>11</u>		_7	_		_		<u>18</u>		18
Total S	Silver Lake Subunit	0	14	11	0	11	0	0	0	0	36	0	36
Summary:													
	ated by ground water	23	7	11	0	6 022	0	0	3	0	51	0	51
	ated by surface water IVER HYDROGRAPHIC UNIT	2,539 2,562	72 <u>1</u> 728	<u>475</u> 486	72	6,023 6,030	<u>576</u> 576	<u>54</u> 54	<u>196</u> 199	<u>83</u> 83	10,739 10,790	<u>24,5</u> 24,5	10,984
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				-,-,-	,,,						,,-
k - 6 acres were m - Received sur El Dorado Ir n - Received sur Georgetown I p - Received sur Pacific Gas	eived partial irrigation in eintercropped with plupplemental water purcharplemental water purcharplemental water purcharplemental water purcharplemental water purcharplemental water purcharand Electric Company.	ums. ased from ased from district. ased from											
				i									



CHAPTER IV. LAND CLASSIFICATION

Evaluation of future water requirements must be based in large part on classification of lands with regard to their potential for irrigated agricultural and recreational development. The results of such a land classification survey conducted during 1961-62 in the American River Hydrographic Unit are presented in this chapter.

The former Division of Water Resources made a reconnaissance classification of lands of the State including the American River Hydrographic Unit which was reported in State Water Resources Board Bulletin No. 2, "Water Utilization and Requirements of California," dated June 1955. In 1950 the Division of Water Resources completed a land classification survey of that portion of the hydrographic unit west of the El Dorado and Tahoe National Forests. The results of this survey were published in Bulletin No. 56, "Survey of Mountainous Areas." Another land classification survey was performed by the Division of Water Resources and reported in State Water Resources Board Bulletin No. 10, "Placer County Investigation." Only that portion of the American River Hydrographic Unit that is in Placer County was included in Bulletin No. 10.

The land classification survey for this report utilizes these previous surveys as base material, however, irrigable agricultural lands and recreational lands were classified in greater detail and urban lands were completely remapped.

Results of the land classification survey for this report are shown on Plate 3, "Classification of Lands,"

Sheets 1 through 28. The total area in each classification is listed in Table 12.

Methods and Procedures

The general methods and procedures used in field mapping and tabulation of information were essentially the same as those described for the land use survey in Chapter III. An example of land classification delineations on an aerial photograph is shown on Page No. 107.

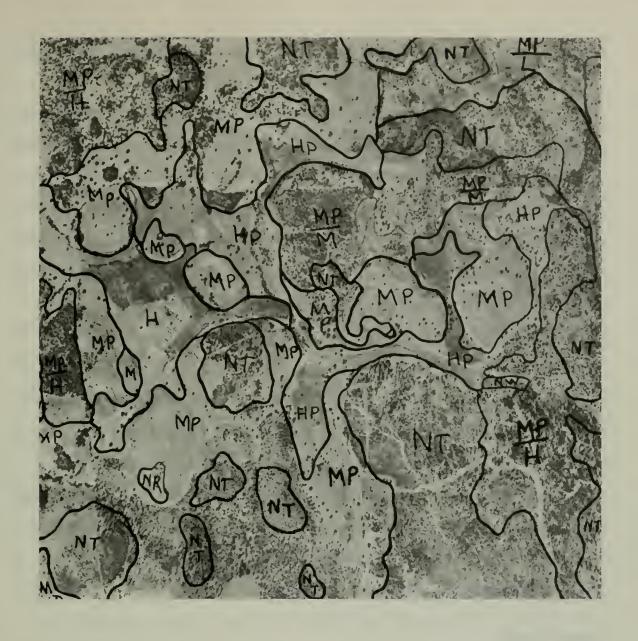
The standards used in the classification of lands are given in detail in Table 13.

Major Categories of Land Classes

The lands mapped were grouped into four major categories: (1) irrigable lands, (2) urban lands, (3) recreational lands, and (4) miscellaneous lands, which are those lands which failed to meet the requirements of the first three land class categories.

Irrigable Lands

Irrigable lands were grouped in appropriate classifications according to their suitability for development under irrigated agriculture and their crop adaptability. Presently irrigated lands were included within these classifications, but urban lands and recreational lands were not classed as to irrigability. The time element with respect to when the lands might be developed was not considered, although



Example of Land Classification Delineated on Aerial Photograph (See Table 13 for explanation of symbols)

suitability for irrigated agriculture was considered in light of present agricultural technology.

There are many factors which influence the suitability of land for irrigation development. Since soil characteristics and the physiography of the landscape are the most stable of these factors, they were the only ones considered in classifying lands as to their irrigability. Soil characteristics were established by examination of road cuts, ditch banks, and material from test holes, together with observations of type and density of native vegetation and crops. Representative land slopes were measured with a clinometer. Other aspects, such as economic factors related to the production and marketing of climatically adapted crops, and the location of lands with respect to a water supply, were not considered in the basic classification. These latter factors are very important in estimating the nature of future cropping patterns and prac-They will be given due consideration when estimates are made of future water requirements.

Urban Lands

It is recognized that future urban expansion will encroach upon some irrigable lands but the location and extent of urban encroachment is a function of many variables. This land classification survey was an inventory of relatively uncharging physical conditions, and location of possible areas of urban encroachment was not considered. Only those lands devoted to urban uses in 1960 were designated as "urban lands."

Recreational Lands

Present trends indicate an expanding demand for recreational facilities throughout the State. In view of these trends it is recognized that there will be an increasing demand for substantial land areas for recreational purposes. This is particularly true of the mountainous regions where recreational development is expanding rapidly at the present time.

Most mountainous lands are suitable for some recreational use such as hunting, fishing, and similar outdoor activities. However, for purposes of this survey, lands classified as suitable for recreational use were limited to those which are now, or may in the future be used intensively for permanent and summer home tracts, camp and trailer sites, and parks outside urban areas. These are lands requiring intensive water service.

Primary considerations for classification of home tracts and camp and trailer sites were such physical factors as soil depth, slope, and rockiness; such aesthetic values as view, nearness to lakes or streams, or density and type of forest canopy suitable for the respective uses; and the plans of federal and state forest officials. An important factor in location of camp and trailer sites is availability of water supply, but isolation from existing roads did not influence site selection.

Miscellaneous Lands

Forest management lands, marshlands, and other lands are included as miscellaneous lands.

Forest management lands are those forested lands, rangelands, or lands subject to forest management which are physically susceptible to irrigation development but which, because of climatic conditions or physiographic position, are better suited for and are expected to remain under their present uses. These lands were designated in the land use survey as "F" lands.

Marshlands, which were designated as "Vm" lands, are those lands which generally have water standing on them and usually support a heavy growth of tules or other phreatophytes.

Lands which failed to meet the requirements previously described in this chapter were classified as "Other Lands" or "N" lands and amount to 862,784 acres, or 72 percent of the area of the hydrographic unit.

Lands included within (1) reservoirs completed since the year of survey or (2) reservoirs which have been placed under construction since the year of survey are tabulated under "N" lands. The water surface of reservoirs existing at the time of survey were classed as "N" lands including Folsom Reservoir with an area of 11,450 acres.

CLASSIFICATION OF LANDS IN
AMERICAN RIVER HYDROGRAPHIC UNIT

		T0101	298 34,699 34,997	162,299	46,953 12,350 1,324 60,627	98,643	658 130,327 130,985	36,655	64,472	80,171 70,251	94,783 107,271 202,054	113,357	12,581 10,537 150,222 173,340	12,581 10,537 669,399 378 498,150	1,192,369
	\$00	z	293 30,596 30,596	89,391	29,311 7,459 1,200 37,970	65,920	597 110,816 111,413	25,116 17,847 42,963	32,872	46 82,406 82,452	68,103 92,398 160,501	77,244	10,900 8,355 112,207 131,462	10,900 8,355 434,841 339 407,149 1,200	86.2,784
	Miscelloneous 10nds		3.765 3,770	24,352	0000	13,178	61 16,113 16,174	6,601 1,938 8,539	0	11. 14.5,9	25,361 13,394 38,755	33,775	536 1,205 31,556 33,297	536 1,205 121,706 16 54,921	178,384
		€ >	000	0	0000	0	000	40 4	ε.	000	18	0	0000	180700	3
		Totof	077	330	3,627 1,426 124 5,177	1,570	3,351 3,351	18 E	20	22 28 28	1,112	1,592	1,042 852 5,019 6,913	1,042 852 11,754 23 8,951 124	22,746
	spuc	a	027	77	0000	1,213	0 1,284 1,284	0 80 8	0	rito	184 239 239	787	940 509 4,545 5,994	94.0 5,284 2,798	9,531
	Recreational lands	RT	0 258 258	81	0000	227	2,063	큐이큐	0	25 245 765	919 1,182 2,101	1,098	85 322 350 757	85 322 2,462 4,472	7,364
	Reco	RC	° Ala	15	0000	130	0 4 4	0 00	0	୦ ମୁସ	000	20	무취임	17 22 24 255 255	0777
		ФФ	000	153	3,627 1,426 124 5,177	0	000	000	20	000	000	0	৽৽ৠয়	3,861 1,426 124	5,411
	urbon londs	οn	33,50	933	236 482 718	627	०श्र	19 792	3,267	000	molm	0	008/8	4,586 1,372	5,958
		Totol	0 158 158	47,303	13,779 2,983	17,348	০ ন ন	4,859 4,672 9,531	28,260	333	707 707 707 707	746	103 125 1,582 1,582	103 125 96,505 25,739	122,472
ocres)		Mpr	200	507	1,461	85	000	164	789	0 0 0	000	0	0000	2,816 0 229 0 229	3,045
(In oc	guidots	Mŗ	000	380	354	100	000	LL3	1,603	200	0 00	0	0000	2,337	2,585
	Steeply sloping	Mp	000	6,847	6,982 1,459 8,441	1,118	000	1,459	5,070	000	000	0	0000	20,358	23,260
20048		2	0 0 0	28,963	533 491 1,024	8,829	000	2,478	10,569	000	000	0	0 763 763	0 43,306 11,259	54,565
Louising		Нрг	000	183	153 0 153	70	000	000	534	000	000	0	0000	000000	880
in a line on	1 2	ī	000	89	71 0 82	4	000	000	289	000	404	0	0000	399	7777
	Gently	Н	000	1,169	3,215 386 3,601	743	000	28 21 28	3,638	000	000	0	0000	8,080 0,080 0,44,5	8,525
		I	0 00	8,807	963 482 0	7,063	000	679 2,119 2,798	5,220	000	0 00	0	00373	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	25,378
	6.	* >	0 158 158	165	2002	56	o 2 2	212	192	0 HE	00 7 <u>7</u> 17.3	346	103 125 546 774	103 125 1,897 0 772 0	2,897
	Smooth lying	Vpr	000	146	0000	5	000	0 00	69	0 00	000	0	0000	25.00 25.00 20.00	82
	S	>	000	147	74 125 199	65	000	0 00	392	0 0 0	000	0	0000	00 130 00 00 00 00 00 00 00 00 00 00 00 00 0	703
	200	Subunit and County	Blue Canyon Nevada County Placer County Total	Coloma El Dorado County	Folsom EI Dorado County Placer County Sacramento County Total	Foresthill Plecer County	French Meadows El Dorado County Placer County Total	Greenwood El Dorado County Placer County Total	Plecerville El Dorado County	Royal Gorge Nevada County Placer County Total	Rubicon River El Dorado County Placer County Total	Silver Greek El Dorado County	Silver Lake Alphre County Amador County El Dorado County Total	ALPINE COUNTY AMADOR COUNTY EL EDANDO COUNTY FLACER COUNTY SACRAMENTO COUNTY	TOTAL

8 - Includes off moter surface area in unit

LAND CLASSIFICATION STANDARDS

Symbol:

Characteristics

Irrigable Lands

- These lands are level or slightly sloping and vary from smooth to hummocky or gently undulating relief. The maximum allowable slope is 6 percent for smooth, reasonably large-sized bodies lying in the same plane. As the relief increases and becomes more complex, lesser slopes are limiting. The soils have medium to deep effective root zones, are permeable throughout, and free of salinity, alkalinity, rock, or other conditions limiting crop adaptability of the land. These lands are suitable for all climatically adapted crops.
- H These are lands with greater slope and/or relief than those of the V class. They vary from smooth to moderately rolling or undulating relief. The maximum allowable slope is 20 percent for smooth, reasonably large-sized bodies lying in the same plane. As the relief increases and becomes more complex, lesser slopes are limiting. The soils are permeable, with medium to deep effective root zones, and are suitable for the production of all climatically adapted crops. The only limitation is that imposed by topographic conditions.
- These are lands with greater slope and/or relief than those of the H class. They vary from smooth to steeply rolling or undulating relief. The maximum allowable slope is 30 percent for smooth, reasonably large-sized bodies lying in the same plane. As the relief increases and becomes more complex, lesser slopes are limiting. The soils are permeable, with medium to deep effective root zones, and are suitable for the production of all climatically adapted crops. The only limitation is that imposed by topographic conditions.

The foregoing may be modified, as conditions warrant, by use of one or more of the following symbols.

Indicates the presence of a high-water table, which in effect limits the present crop adaptability of these lands to pasture crops. Drainage and a change in irrigation practice would be required to affect the crop adaptability.

TABLE 13 (continued)

LAND CLASSIFICATION STANDARDS

~	
Symbol :	Characteristics
s	Indicates the presence of an excess of soluble salts or exchangeable sodium in slight amounts, which limits the present adaptability of these lands to crops tolerant to such conditions. The presence of salts within the soil generally indicates poor drainage and a medium to high-water table. Reclamation of these lands will involve drainage and the application of small amounts of amendments and some additional water over and above crop requirements in order to leach out the harmful salts.
SS	Indicates the presence of an excess of soluble salts or exchangeable sodium in sufficient quantity to require the application of moderate amounts of amendments and some additional water over and above crop requirements in order to effect reclamation.
sa	Indicates the presence of an excess of soluble salts or exchangeable sodium in sufficient quantity to require the application of large amounts of amendments and some additional water over and above crop requirements in order to effect reclamation.
h	Indicates very fine textures, which in general make these lands best suited for the production of shallow-rooted crops.
1	Indicates fairly coarse textures and low moisture-holding capacities, which in general make these lands unsuited for the production of shallow-rooted crops because of the frequency of irrigations required to supply the water needs of such crops.
р	Indicates shallow depth of the effective root zone, which in general limits use of these lands to shallow-rooted crops.
r	Indicates the presence of rock on the surface or within the plow zone in sufficient quantity to prevent use of the land for cultivated crops.

TABLE 13 (continued)

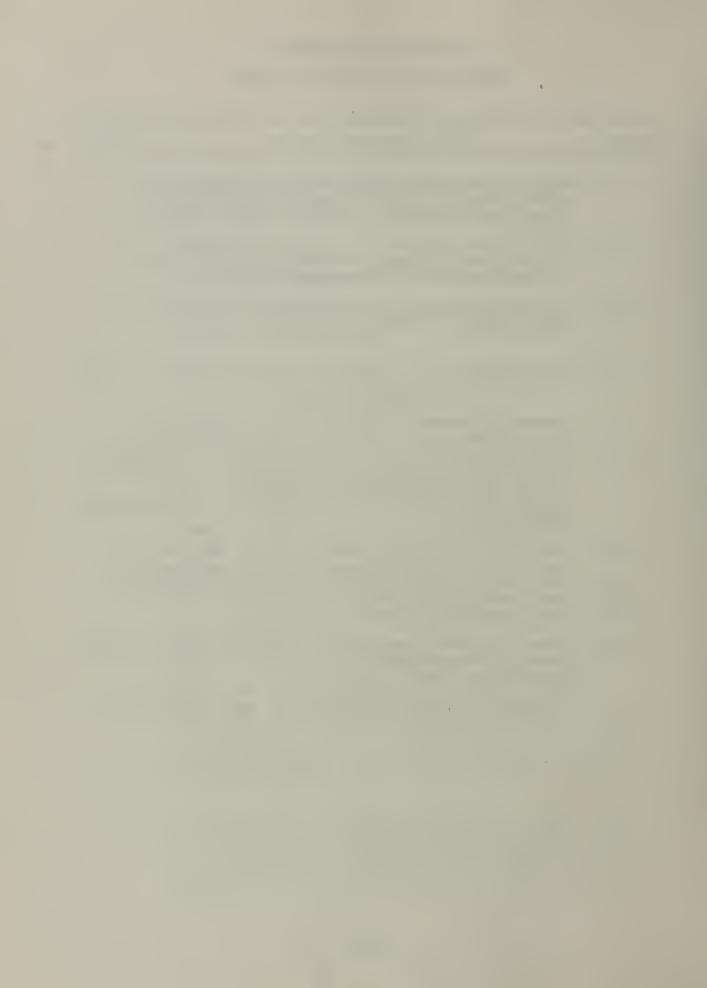
LAND CLASSIFICATION STANDARDS

	·		
Symbol:	Characteristics		
-(L)	Indicates ground cover varying from a light to moderately dense growth of low brush through a low density growth of medium height trees.		
-(M)	Indicates ground cover varying from a high density growth of low brush through a moderately dense growth of medium height to tall trees.		
- (H)	Indicates ground cover varying from a high density growth of medium height trees through a very dense growth of large trees.		
-2, -4 -6, -8	Number indicates in feet the average difference between highs and lows due to microrelief.		
- B	Indicates low-lying basin and seep areas.		
	Urban and Recreational Lands		
UD	The total area of cities, towns, and small communities presently used for residential, commercial, recreational, and industrial purposes.		
SR	Existing and potential suburban residential areas which have a low population density. These lands are further subdivided into either a high or low water using category. This is indicated by a number in the symbol, i.e., SR-1 includes those lands where it is expected the entire area will be utilized for lawns, gardens, small orchards, etc., and has a high water use. SR-2 indicates lands where a large percentage of the area is expected to be nonwater using, hence an area of low water use. All the SR lands are also classed according to the four major topographic classes used for the classification of irrigable lands, i.e., V, H, M, and N.		
RR	Existing and potential permanent and summer home tracts within a primarily recreational area. The estimated number of houses, under conditions of full development, is indicated by a number in the symbol, i.e., RR-3 is suitable for three houses per acre.		

TABLE 13 (continued)

LAND CLASSIFICATION STANDARDS

Symbol	: Characteristics
RC	Existing and potential commercial areas which occur within a primarily recreational area and which include motels, resorts, hotels, stores, etc.
RT	Existing and potential camp and trailer sites within a primarily recreational area.
PP	Existing racetracks, fairgrounds, and private, city, county, state, and federal parks.
	Miscellaneous Lands
F	Presently forested lands, or lands subject to forest management, which meet the requirements for irrigable land but which, because of climatic conditions and physiographic position, are better suited for timber production or some type of forest management program rather than for irrigated agriculture.
Va	Smooth lying valley lands which are affected by such heavy concentrations of salts that further detailed studies would be required to determine the feasibility of reclaiming these lands for irrigated agriculture.
Vm	Swamp and marsh lands which usually support a heavy growth of phreatophytes and are covered by water most of the time.
N	Includes all lands which fail to meet the requirements of the above classes.



CHAPTER V. SUMMARY

The American River Hydrographic Unit comprises the 1,863 square mile drainage area of the American River above Folsom Dam. Most of the terrain in the unit is mountainous. Valley and foothill lands constitute 29 percent of the total area. Lumbering and associated wood products manufacturing are the most important industry with four of the largest firms accounting for about one-third of the wages and salaries within the unit. Although agriculture is the second most important industry in the unit, its growth rate has been relatively slow. Approximately 8 percent of the presently cultivated lands are dry-farmed, and 92 percent are irrigated. The major irrigated lands are devoted to deciduous orchard and pasture. Mining and hydroelectric power development are also important local activities. The largest town in the unit is Placerville, with a 1960 population of 4,439. Other large communities are Auburn, Colfax, and Foresthill.

Water Use

Apparent water rights in the American River area were determined for each diversion when possible. Most of the diversions are based on appropriative rights, many of which were established prior to the enactment of the Water Commission Act of 1914, and are not on record, since such rights could be established simply by actual diversion and use of the water.

As of October 1, 1963, a total of 601 currently valid applications to appropriate water in the unit were on file with the State Water Rights Board. Permits or licenses have been granted for 556 of these applications, 12 were pending, and 33 were incomplete.

Of the 249 surface water diversions located, 57 diversions were measured during 1960. The primary uses and amounts diverted are summarized below:

Primary use	Diversions located	Diversions measured	Amount measured (acre-feet)
Irrigation	143	30	49,818
Municipal	7	1	252
Industrial	6	0	0
Mining	9	ΣĻ	1,659
Power	16	6	86,118
Domestic	19	0	0
Stockwatering	6	0	0
Recreation	10	0	0
Other	_33	<u>16</u>	1,593
TOTAL	249	57	139,440

The total consumptive use of applied water in the American River Hydrographic Unit is estimated to have been about 19,100 acre-feet in 1960. Of this total about 16,700 acre-feet were consumed by irrigation, 2,200 by municipal and domestic uses, and the remainder by industrial operations. Consumptive use of applied water for other purposes is negligible.

Land Use

Results of the 1960 detailed land use survey conducted in the American River Hydrographic Unit are summarized below and presented pictorially in Figure 1.

<u>Use</u>	Area, in	acres
Agricultural lands		
Lands irrigated in 1960	10,790	
Lands normally irrigated but idle or fallow in 1960	245	
Meadowlands	2,886	
Dry-farmed lands	974	
Total agriculture		14,895
Recreational lands		7,252
Urban lands	5,962	
Native vegetation		
Water surface of Folsom Lake	11,450	
Other lands (including Marshlands)	1,152,810	
Total native vegetation		1,164,260
TOTAL AREA OF UNIT		1,192,369

Land Classification

An agricultural land classification survey was conducted in the western part of the unit in 1950. In 1961 and 1962 a detailed survey was conducted for the entire American River Hydrographic Unit with reference to previous base material. Results of this survey are summarized below and presented pictorially in Figure 2.

Classification	Area, in acres
Irrigable agricultural lands	122,472
Present urban lands	5,958
Recreational lands	22,746
Miscellaneous lands	
Irrigable forest management lands	178,384
Water surface of Folsom Lake	11,450
Other lands (including Marshlands)	851,359
TOTAL AREA OF UNIT	1,192,369

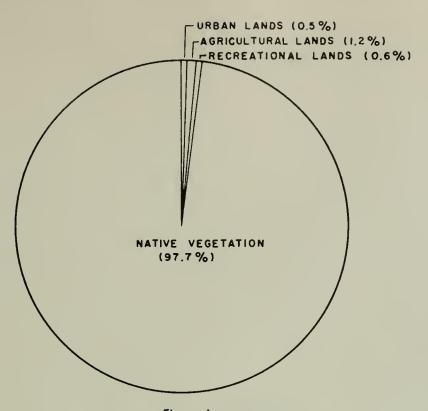


Figure 1 1960 LAND USE

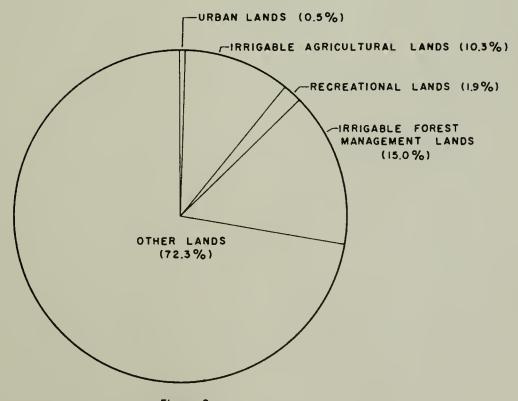
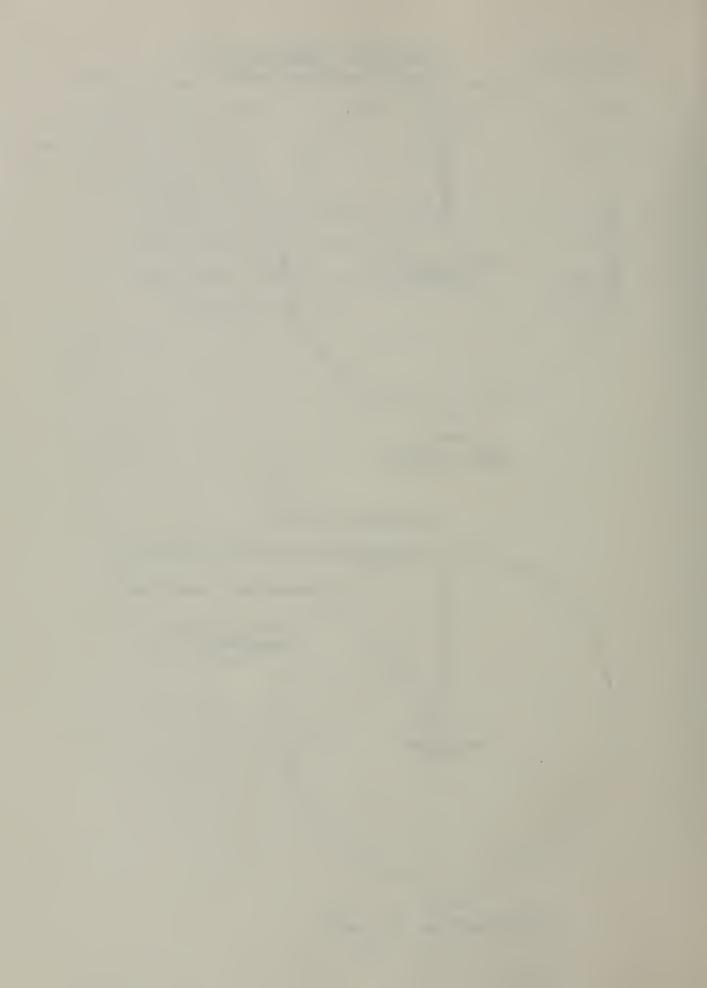


Figure 2
CLASSIFICATION OF LANDS



APPENDIX A

STATEWIDE WATER RESOURCES AND WATER REQUIREMENTS PROGRAM



APPENDIX A

STATEWIDE WATER RESOURCES AND WATER REQUIREMENTS PROGRAM

California's major water problem today is that of development and delivery of supplemental water supplies to meet increasing water requirements throughout the State. The problem involves (1) the regulation of seasonal and cyclic fluctuation of streamflow to meet demand schedules in the areas of origin and (2) the transmission of regulated surplus flows over long distances to areas of deficiency. The development and long distance transfer of water is currently accomplished by such major facilities as the federal Central Valley Project and the Colorado River Aqueduct of The Metropolitan Water District of Southern California. However, such development and transfer will be considerably broadened in scope by the State Water Facilities.

Consumptive water requirements of the State on a basinwide basis were estimated in State Water Resources Board Bulletin No. 2, "Water Utilization and Requirements of California," June 1955. However, to provide for local water needs while considering specific export projects, more detailed information must be made available on present and projected future water requirements of the areas in which the projects are to be built. This will necessitate the considerably more detailed collection and analysis of data on hydrology, land use and land capability, and economics.

Recognizing that additional information is needed if the water needs of areas of origin are to be adequately protected in large-scale water development projects, the 1956 Legislature authorized an investigation to determine the water resources and water requirements of the respective watersheds in the State. The authorization is contained in Chapter 61, Statutes of 1956 as amended by Chapter 2025, Statutes of 1959. This legislation is codified in Section 232 of the Water Code as follows:

- "232. The legislature finds and declares that in providing for the full development and utilization of the water resources of this State it is necessary to obtain for consideration by the Legislature and the people, information as to the water which can be made available for exportation from the watersheds in which it originates without depriving those watersheds of water necessary for beneficial uses therein. To this end, the department is authorized and directed to conduct investigations and hearings and to prepare findings therefrom and to report thereon to the Legislature at the earliest possible date with respect to the following matters:
- (a) The boundaries of the respective watersheds of the State and the quantities of water originating therein;
- (b) The quantities of water reasonably required for ultimate beneficial use in the respective water-sheds:
- (c) The quantities of water, if any, available for export from the respective watersheds;
- (d) The areas which can be served by the water available for export from each watershed; and
- (e) The present use of water within each water-shed together with the apparent claim of water right attached thereto, excluding individual uses of water involving diversions of small quantities which, in the judgment of the Director of Water Resources, are insufficient in the aggregate to materially affect the quantitative determinations included in the report.

"Before adopting any findings which are reported to the Legislature, the department shall hold public hearings after reasonable notice, at which all interested persons may be heard."

For purposes of this investigation, the State has been divided into 12 major hydrographic areas. These areas, in turn, have been subdivided into hydrographic units generally comprising watersheds of individual rivers. watersheds will be field surveyed in some detail, and where previous detailed studies have been made, the information will be brought up-to-date. Water resources and water requirements will be determined and reported in a bulletin for each of the hydrographic areas. Since it requires many years to gather sufficient data to make adequate analyses of water resources and water requirements, and in order to make the data on present land and water use available when they are most useful, surveys of land and water use will be made and published separately for each of the hydrographic units. Bulletin No. 94-14, "Land and Water Use in American River Hydrographic Unit," is the fourteenth of a series reporting the results of these surveys.

At a future date, estimates largely based on the land and water use surveys, will be made of quantities of water reasonably required for future beneficial uses in each watershed. The quantity of water potentially available for export from each watershed will be determined after allowances are made for the satisfaction of the local requirements and prior rights to givert water to other areas. For those watersheds in which no exportable water is available, the water

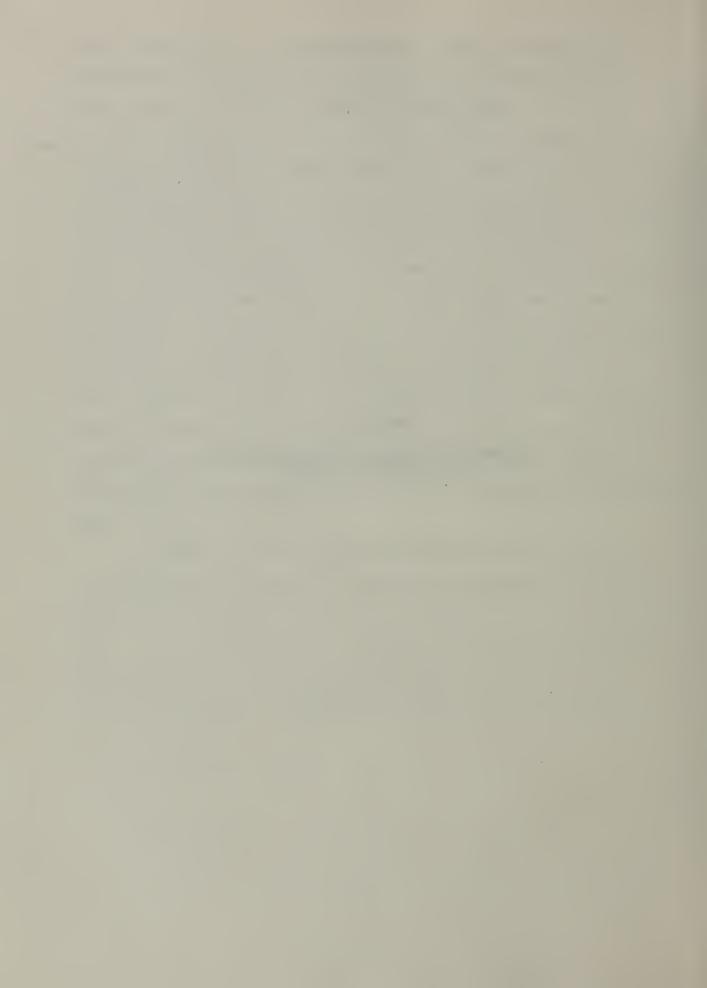
supply deficiency will be determined. These estimates will be published as they become available in such form as to make possible a county-by-county determination.

The calculations of future water requirements will be based on predicated future land uses derived from land classification surveys, economic studies, population forecasts, industrial and agricultural development, and recreational needs. Agricultural water requirements will be based on unit water use by the various predicated crop types; urban and recreational requirements on per capita water use values; fish and wildlife requirements on minimum streamflow needed or water demands for wildlife area; and industrial water requirements on measured water deliveries to various types and sizes of industries now existing. In forecasting future industrial development, water quality problems will be given full consideration.

Water resources will be determined from records of all stream gaging stations, including new stations which were established for this and other investigations of the department. The new stations were generally constructed on streams which originate in the smaller watersheds for which runoff data are necessary but for which no data have been available.

APPENDIX B

REPORTS ON RELATED INVESTIGATIONS AND OTHER REFERENCES



APPENDIX B

REPORTS ON RELATED INVESTIGATIONS AND OTHER REFERENCES

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APPENDIX C LEGAL CONSIDERATIONS

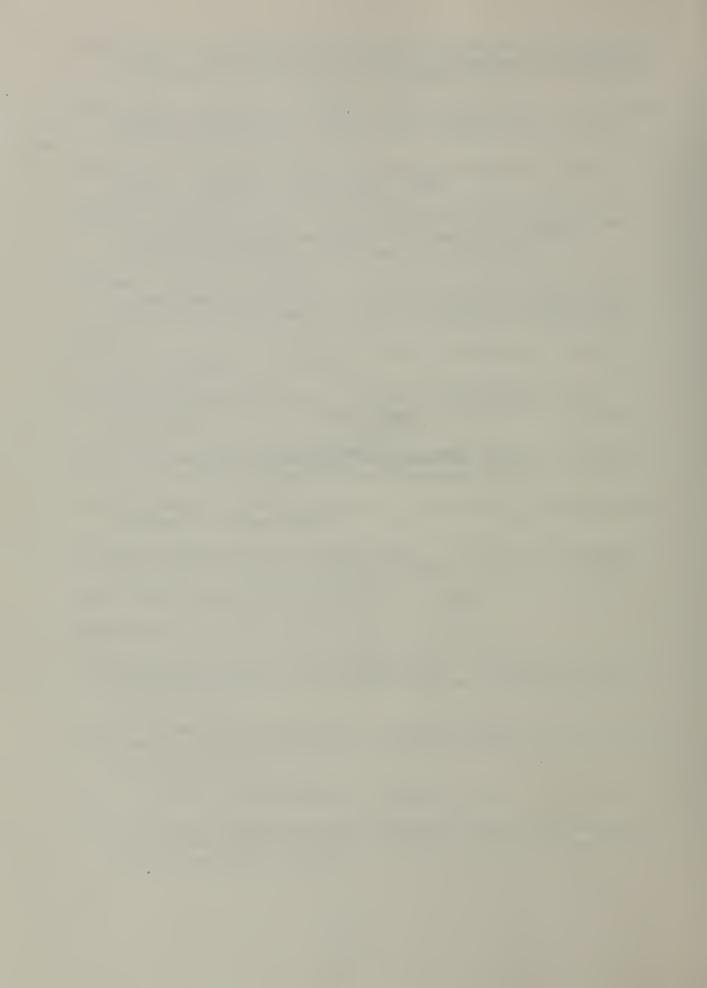


TABLE OF CONTENTS

LEGAL CONSIDERATIONS

Page

California Wa	ater Right	ts .	٠		•	•		•	•	•	•	•	•	•	•	C-5
Riparia	n Rights	• •	•		•	•	•	•	•	•	•	•	•	•	•	C-6
Overlyi	ng Rights	• •	•		•	•	•	•	•	•	•	•	•	•	•	C-7
Appropr	iative Ri	ghts	•	• •	•	•	•	•	•	•	•	•	•	•	•	C-8
Prescri	ptive Righ	nts	•		•	•	•	•	•	•	•	•	•	•	•	C-11
Determin	nation of	Wate	er	Rig	hts	3	•	•	•	•	•	•	•	•	•	C-13
Litigation Co	oncerning	Loca	al	Wat	er	Ri	.gh	ts		•	•	•	•	•	•	C-13
	nto Electr Clarke,															C-15
Application	to Approp	riate	∋ N	late	r	•	•	•	•	•	•	•	•	•	•	C-14
			T	ABL	ES											
Table No.																•
	^ 3.		,	^								•				
C-1	Applicat:													•		C-20



APPENDIX C

LEGAL CONSIDERATIONS

There are set forth in the following paragraphs brief general statements with respect to the California law of water rights to supplement and to provide a background for information on water rights contained in Chapter II. Also included is a tabulation of currently active applications to appropriate water within American River Hydrographic Unit filed with the State Water Rights Board.

California Water Rights

In California, water rights convey only the right to use water. Until absolute possession of water is acquired by some artificial means, no one owns water. However, the owner of water rights is entitled to enjoy them without interference by other users who have rights which are inferior to his.

Five kinds of water rights are recognized in California. These are riparian, overlying, appropriative, prescriptive, and pueblo. Riparian rights attach to surface water and water flowing in known and definite subterranean channels, while overlying rights attach only to underground water. Appropriative and prescriptive rights may be acquired in either surface or underground waters. Pueblo rights are now exercised in California only by the Cities of Los Angeles and San Diego, each of which has a paramount right to satisfy its full needs from the stream system of waters flowing by the former Mexican pueblo from which each sprang.

All water rights, both to surface and to underground water, are subject to the doctrine of reasonable beneficial use expressed in Section 3 of Article 14 of the California Constitution, and Water Code Sections 100 and 101. This doctrine limits water rights to the quantity of water reasonably required for beneficial use and prohibits waste, unreasonable use, and unreasonable methods of use or diversion.

Riparian Rights

A riparian right entitles the land owner to take water directly from a natural watercourse for use on lands which border or have frontage on the watercourse. However, the rights of the owner of riparian land are limited to the reasonable beneficial use of the natural flow of water which passes his land. Riparian rights pass with the title to the land, unless expressly reserved or excepted from the interests transferred, and are not gained by use or lost by mere nonuse. Although the land must be contiguous to the watercourse, the length of the frontage is not determinative of the rights; a large tract with a small frontage on a stream, may be riparian to the stream. But the original grant determines the character of the land, and only the smallest contiguous tract held under a single title retains riparian rights.

A riparian owner has no right to any specified amount of the water of a stream as against other riparian owners. He has rights only to a reasonable share from the stream -- a correlative right which he shares mutually with other riparian owners. In the event of insufficient water

for all, the available supply must be apportioned, except that an upper riparian owner may take the whole supply if necessary for domestic use. As against appropriators, the riparian owner has the paramount right to all the water of the stream which he can put to reasonable beneficial use, but that is the extent of his rights, and the appropriator can take the surplus.

Riparian rights do not authorize use of water on nonriparian land, nor do they permit the seasonal storage of water. Neither do they prevent temporary appropriation by others of water not presently needed for use on riparian land.

A parcel of land becomes nonriparian when severed from land bordering the stream, unless the riparian rights are reserved for the severed parcel by the grantor. Riparian rights may be destroyed when purportedly transferred apart from the land by grant, contract, or condemnation, and may be impaired or lost through prescription.

Overlying Rights

Owners of lands overlying a common underground water supply have the right to withdraw water for reasonable beneficial use on their overlying lands. Such overlying rights are analogous to riparian rights, in that both are based on ownership of land, and the rights of each overlying owner are mutual and correlative to the rights of all other owners. In the case of insufficient water to fully supply the requirements of all, the available supply must be equitably apportioned.

Overlying rights do not include use of water on nonoverlying land. However, surplus water not presently required
for beneficial use on overlying land, and which may be withdrawn without creating an overdraft on the ground water supply,
may be appropriated for use on nonoverlying land. But the
overlying rights are paramount and all appropriative rights
are subject to the future requirements of overlying land.

Appropriative Rights

An appropriation of water is any taking of water for other than riparian or overlying uses, whether such taking is from the underground by wells or from surface streams by direct diversion or storage. An appropriator, in the legal sense, is one who initially takes water without possessing rights which are based on the ownership of land. As between appropriators, the one first in this is first in right. A prior appropriator may take all the water he needs up to the full amount to which he is entitled before a later appropriator may take any.

Normally, appropriative rights are inferior to riparian rights. An exception to this is the case of an appropriation of water diverted from streams flowing through vacant public lands before the riparian lands were withdrawn from the domain of the United States. The appropriative diversions or the lands they serve may be either upstream or downstream from the riparian lands. Any water not need for the reasonable beneficial uses of those having prior rights may properly be appropriated.

No formal or statutory procedure is or ever has been prescribed or required in this state for those who take water by means of wells from underground percolating waters or underground basins. An appropriative right to take surplus water from such sources is acquired by extracting such water from the underground and applying it to beneficial uses.

Provided the development and application to use are completed with reasonable diligence, the priority of the right as against another appropriator related back to the first substantial act toward putting the water to use or to the date of application. Until 1872, water flowing in natural streams was appropriated by taking the water.

Sections 1410 through 1422 of the Civil Code, enacted in 1872, established a permissive procedure for perfecting an appropriation of surface water. Provision was made for posting a notice of appropriation at the proposed point of diversion and recording a copy with the county recorder. If the statutory procedure were followed and the appropriation completed with due diligence, priority related back to the date of posting; otherwise, priority was established only when the water was put to beneficial use.

Since the effective date of the Water Commission Act of 1913, December 19, 1914, appropriation of surface water and water in subterranean streams flowing in known and definite channels has been by compliance with required statutory procedure. An appropriation of such water now can be made in accordance with the provisions of Part 2, Division 2 of the Water Code (Water Code Sections 1200 to 1801). An application

to appropriate unappropriated water must be filed with the State Water Rights Board. If the application is approved, a permit is issued authorizing the appropriation. When the appropriation has been completed, an inspection is made and a license is issued, to the extent of beneficial use, provided the terms and conditions of the permit have been fulfilled. The priority of a permit or license relates back to the date of the appropriation.

A right to appropriate water may be lost either by abandonment or by continuous nonuse. To constitute abandonment, there must be concurrence of act and intent, wherein possession is relinquished with no intent to resume it for a beneficial use. Abandonment is, therefore, always voluntary and factual. In the case of an appropriation initiated prior to 1914, continuous nonuse for a period of five years results in the loss of appropriative water rights. In the case of appropriative rights acquired pursuant to the Water Commission Act or the Water Code, continuous nonuse for a period of only three years may result in loss of such rights.

Where ground water and surface water are interconnected, one acting as a tributary to the other, both are
treated as part of a common supply and users of water from
either source are entitled to protection from substantial
injury as a result of use by others of water from the other
source. Thus, an owner of land riparian to a stream may have
his right to the use of water protected against impairment
by an appropriator of percolating ground water tributary to
the stream and required for the maintenance and support of its

flow. Likewise, where water from a stream percolates to a ground water basin or stratum, the owner of land overlying the ground water supply may be protected from an appropriation of water from the stream if this causes a substantial impairment of the ground water supply. As between riparian use of surface water and overlying use of ground water tributary to the stream, a sharing of the available water supply on the basis of reasonable beneficial use should be made.

Prescriptive Rights

It is possible to appropriate surface or ground water which is presently needed by others to satisfy riparian, overlying, or prior appropriative rights. Such appropriations may ripen into prescriptive rights where the use is actual, open and notorious, hostile and adverse to the original owners, continuous and uninterrupted for the statutory period of five years, made under claim of right, and with payment of taxes whenever such have been levied on the water rights. Absence of any of these essentials precludes the acquisition of prescriptive water rights.

Prescription thus requires that where the rightful owner for a period of five years, either knows or should know of the adverse taking and fails to take any physical or legal steps to interrupt such taking. An absolute right is acquired to a fixed amount of water by prescription, the quantity being determined by beneficial use, irrespective of the needs or demands, of the injured riparian, overlying, or prior appropriative user. However, present use is the measure

of the prescriptive right, and future needs cannot be included.

Riparian rights, overlying rights, appropriative rights, and prescriptive rights may be lost or diminished by prescription. While there is sufficient water flowing in a stream to supply the wants of all parties, the use of the water by anyone does not deprive the others of their water supply and, hence, is not an invasion of their rights. The same principle applies to a downstream diversion of water as against the rights of an upstream riparian landowner or prior appropriator. At times when the safe yield of a ground water basin exceeds the needs of overlying landowners and appropriators, their prior rights are not invaded by a later appropriative taking of water from the underground supply. The later appropriation becomes adverse only when the ground water basin is overdrawn; that is, when the annual draft exceeds the safe annual yield. Although neither an overlying owner nor a prior appropriator may prevent a taking of surplus water, either the owner or the appropriator may institute legal proceedings to safeguard the supply once a surplus ceases to exist, and may enjoin any additional use beyond the point of safe yield. Since prescriptive rights can only be acquired to nonsurplus water, these rights cannot ordinarily be acquired against the future needs of riparian or overlying owners.

The prior appropriator, lower riparian, or overlying owner may protect his rights for his present needs against an adverse appropriator by actually taking the needed water before the five-year period has run, or by the aid of the courts

in the form of a declaratory judgment or injunction within the five-year period.

Determination of Water Rights

Under provisions of the Water Code, actions involving determination of rights to the use of water brought before either state or federal courts may, at the court's discretion, be referred to the State Water Rights Board. Under provisions of Water Code Section 2000, the court may appoint the board to referee "any or all issues involved in the suit," or under Section 2001, it may limit the reference to "investigations of and report upon any or all physical facts involved." This reference procedure may be followed in suits involving either surface or ground waters, or both.

An alternative procedure is available for adjudication of rights to the use of water of streams, lakes, and other bodies of water, but the method excludes the determination of rights to take water from an underground supply other than from a subterranean stream flowing through known and definite channels. Water Code Sections 2500 to 2900, inclusive, authorize the initiation of such proceedings.

Litigation Concerning Local Water Rights

There has been no major adjudication of water rights in the American River Hydrographic Unit. Consequently, neither the State Water Rights Board nor any of its predecessor agencies have been involved in a court reference, and state watermaster service has not been established.

However, the first legal proceedings in the history of conflict in the matter of use of water from the American River and its tributaries were entered on July 18, 1898, in the case of Sacramento Electric, Gas and Railway Company vs. C. W. Clarke, H. G. Smith, and A. N. Buchanan, Superior Court, Sacramento County, No. 7815, in which the rights between plaintiff and defendants were then determined. Included in the following pages is a copy of the above decree.

Applications to Appropriate Water

Applications to appropriate water within the American River Hydrographic Unit, filed with the State Water Rights
Board since 1914 and active on October 1, 1963, are summarized in Table C-1. Those diversions, for which an application to appropriate water is filed with the State Water Rights Board which were found in this survey to be of a predetermined amount have been assigned diversion numbers which are included in the table. The status of each application as to the granting of a permit or license is also shown in the table.

In the Superior Court of the County of Sacramento,
State of California

----0000000000000000----

Sacramento Electric, Gas and Railway Company, (a corporation,)

Plaintiff.

VS.

C. W. Clarke, H. G. Smith, and A. N. Buchanan

Defendants.

----0000000000000000----

This cause came on regularly for trial on the 18th day of July, 1898, before Hon. Joseph W. Hughes, Judge of said Court, sitting in Department Number One thereof, without a jury, a jury having been expressly waived.

L. T. Hatfield, Esq., appeared as Attorney for Plaintiff, and Catlin, Shinn & Catlin, as Attorneys for Defendants, and from the evidence introduced, the Court finds the facts as follows, to wit:

1.

That the plaintiff is the owner of, and in possession of a canal and dam across the American River; that plaintiff's right thereto commenced May 8th, 1872, by giving due notice thereof, and said dam and canal were completed so as to make use of the water therein in January 1893, and were fully completed July 10th, 1895. Said dam is situated at the point described

in the complaint, which is about one mile below the junction of the North Fork and the South Fork of the said American River, and said canal is about 9,000 feet long, extending from said dam to the town of Folsom.

2.

Plaintiff has diverted from said American River, and into said canal only 50,000 cubic feet of water per minute, and has used the same for beneficial purposes; and plaintiff's appliances require 65,000 cubic feet of water per minute through said canal at this time.

3.

The dam of defendants is across the North Fork of the American River at a point as alleged in said complaint, and at a distance of about twenty-two miles above the dam of plaintiff.

4.

Defendants' grantors, a long time prior to any appropriation by Plaintiff or its grantors, to-wit: In the year 1854, entered upon the said North Fork of the American River and constructed said dam and canal and diverted 3,000 inches of the waters of said River, measured under a four-inch pressure, equal to 3,600 cubic feet per minute, measured immediately below the first waste gate in said canal below said dam, for sale, rental and distribution for mining, mechanical and agricultural purposes, and even since have used, distributed and sold the same for such purposes.

That defendants have not at any time, since the appropriation by plaintiff, diverted from said stream a quantity of water greater than three thousand inches measured under a four-inch pressure.

6.

That plaintiff has not been damaged by any diversion of said water by defendants.

7.

The low water season mentioned in the complaint during which plaintiff is alleged to take all of the natural flow of the American River does not extend through the months of June or November, but does extend through the months of August, September and October of the average years.

*** Conclusions of Law. ***

1.

The defendants are entitled to, and have, a prior appropriation of three thousand inches of the waters of the North Fork of the American River, measured under a four-inch pressure, taken immediately below the first waste gate below their dam, for sale, rental and distribution for agricultural, mining and mechanical purposes at all seasons of each year.

2.

That plaintiff is not entitled to recover any damages from the defendants.

Plaintiff is not entitled to the injunction prayed for in its complaint.

Let judgment be entered accordingly.

Aug 5th 1898.

(Signed) Joseph W. Hughes

Judge of the Superior Court,

STATE C	F	CAI	LIFORNIA,)	Q Q					
Count	J.Y	of	Sacramento.)	35.	OFFICE	OF	THE	COUNTY	CLERK

I, Harry W. Hall County Clerk of the County of
Sacramento, State of California, and ex-officio Clerk of the
Superior Court held in and for said County and State aforesaid
hereby certify that I have compared the foregoing copy with th
original
Findings of Fact
in the above entitled <u>matter</u> on file and of record in my office, and that the same is a full, true and correct copy of such original, with the endorsements thereon, and the whole thereof.
ATTEST my hand and seal of said Court this

15th day of January, A. D. 1927

HARRY W. HALL

County Clerk

By (signed) Fred R. Johns
Deputy Clerk

AMERICAN RIVER HYDROGRAPHIC UNIT (Filed with Stote Water Rights Board as of October 1, 1963) APPLICATIONS TO APPROPRIATE WATER IN TABLE C-I

[Stotue	I-438	1-130	I-2540	L-2541	1-2184	1-1070	1-428	L-152	1-245	16471	1-486	1-296	1-1517	1-54.88	1-2053	17,88	1-487	I-590	1-534	1-1093	1-586	1-2369	11111	L-893
	Purposa	la .	Domestic	1		Irrigation		Domestic	Domestic	Domestic	Domestle	Domestic	Domestle	Irrigation and domestic	Domestic	Irrigation and domestic		Domestic		Domestic	Domestic	Domestic			
1		Power	Роше	Power	Power			роше				Роше		Irri	Doms		Domestic	Dome	Domestic		Dome	Роше	Domestic	Domestic	O Domastic
Period	Diversion	All year	May 1-Nov 1	All yser	All year All year	Oct 15-May 15	June 15-Sept15	All year	June 1-Sept 15	June 1-Oct 30	May 25-0et 15	Apr 1-Nov 1	June 1-0ct 30	May 1-Nov 1	Apr 15-Nov 1	May laduly 15	May 1-Sept 30	Apr 1-Nov 30	June 1-0ct 30	Juns 1-Sept 1	June 1-0ct 1	Juns 1-Oct 1	Apr 1-0ct 1	Har 1-Nov 30	June 1-Sept 30
	Amount	5,000 afa 8,000 afa	0.025 cfs	86 cfs	500 afa 17,000 afa 5,000 afe	1,125 afa	7,200 gpd	0,004 cfe	0,001 cfs	0.004 cfs	0,004 cfs	0.001 cfs	0,001 cfs	0.014 efs	0.039 cfs	1,25 cfs	0,001 cfe	0,012 cfs	0,001 cfs	300 gpd	8,000 gpd	350 gpd	0,001 cfs	0.005 cfs	0.003 cfs
-	B. G. M.	99	Ð	ð	999	Ð	Ð	A	롸	₽ .	B	Ð	Ą	Ð	₽	Ð	ð	豆 豆	Ð	묫	모모	9	Ð	Ð	Ð
Diversio	œ	17E 18E	14E	15E	17E 18E 17E	12E	17E	178	15E	17E	17E	17E	17E	10E	17E	12E	15E	17E 17E	17E	18E	17E 17E	17E	15E	14E	15E
Location of Point of Diversion	T.	12N 10N	NTT	NTT	12N 10N 10N	TON	Ē	Ä	3	Ĩ.	NTT.	, MT	MT.	TON	NT.	Ä	Ä	N.T.	Ã	Ä	N6 N6	NT.	NTT	Ä	Ē
n of Pc	Sac.	30	88	8 [288	18	79	9	. 53	g :	01.	#	01	7	19	77	22	9 9	of	9	17	9	8	27	৪
Locatic	74	S SW	SE	SE	SE	83	35	N N	SE	35	š,	E	MS -	- SN	MS	N.	SE	NE NE	SW	MS	SW	SE	SE	NW	NS.
	74	SW E 1/2	NE	SE	MS MN	NN	NE	S.	SE ~		AS.	¥.	35	S.	SW	SS	SE	E E	MS	NE	NE NE	ž	SS	SE	ASS.
	Source	1 Medley Lakes 1 Twin Lakes	Schafhlrt Mountain Stream	South Fork American River	Modley Lakes Twin Lakes Silver Lake	North Fork Weber Creek	Sayles Greek	Nileson Springs	Spring tributary to South Fork American River	Cold Stream	Cold Stream	Springs tributary to South Fork American River	Cold Stream	Weber Creek	Cody Gresk	Brush Cenyon	Spring tributary to South Pork American	Spring tributary to South Fork American River Bryson Creek	Cold Stream	Atwood Spring	Springs tributary to Silver Lake	Spring tributary to South Fork American River	Spring tributary to South Fork American Miver	Tributary to South Fork American River	Spring tributary to South Fork American River
	Source	012N/17E-30G1 Medley Lakes 010N/18E-18N1 Twin Lakes				Creek	Sayles Greek				Cold Stream	to South Fork		Weber Creek	011N/17E-19N1 Cody Cresk	OLIN/12E-31H1 Brush Canyon			- Cold Stream	Atwood Spring	Springs tributary to Silver Lake	Spring tributary to South Fork American Aiver	- Spring tributary to South Fork American Aiver	Tributary to South Fork American River	Spring tributary to South Fork American River
	Number Source			South Fork American River	Medley Lakes Twin Lakes Silver Lake	North Fork Weber Creek	,01	. 1000	Spring tributary River		-	to South Fork					Spring tributary	Spring tributary River Bryson Greek		•		Narrison S. and Frances Spring tributary to South Fork American Slawson			Lols M. Seckett, Marlon G. Freeborn and Jacquellne J. Proett
OWR Diversion	Number Source	D12N/17E-30G1 D1ON/18E-18N1	Schafhirt Schafhirt Mountain Stream	DllN/15E-29Hl South Fork American Hiver	D12N/17E-30C1 Medley Lakes D10N/18E-18N1 Twin Lakes G10N/17E-32C1 Silver Lake	DION/12E-18Q1 North Fork Weber Greek	1	70	Spring tributary	H. Lish, Francis B. Allenske, J. B. Frice, Franciska Sorracco and Josk White	of a management	- Springs tributary to South Fork	Cold Stream	1	011N/17E-19N1	D11N/12E-31H1	Spring tributary	Spring tributary Raver Bryson Greek	I	and Les V.	ı	Spring tributary	ı	1	1

APPLICATIONS TO APPROPRIATE WATER IN AMERICAN RIVER HYDROGRAPHIC UNIT TABLE C-1 (Continued)

(Filed with State Water Rights Board as of October 1, 1963)

11,000 gpd June -Oct	Location of Point of Diversion
MD 385 gpd June 1-Oct 1 Demeths MD 0.10 cfe Mar 1-Auly 1 Irrigation O.03 cfe All year Demeths and fire protection MD 2,380 gpd Apr 1-Det 1 Demeths MD 5,760 gpd May 1-Det 31 Demeths MD 6,500 gpd May 1-Det 31 Demeths MD 700 gpd May 1-Det 1 Demeths MD 6,500 gpd May 1-Det 1 Demeths MD 700 gpd May 1-Det 1 Demeths MD 6,500 gpd May 1-Det 1 Demeths MD 700 gpd Ma	- 7
0.10 ofe Mar 1-July 1 Irrigation 2,380 gpd Apr 1-Dec 1 Domestic 3,750 gpd Mar 1-Dec 1 Domestic 6,500 gpd All year Irrigation and domestic 6,500 gpd All year Irrigation and domestic 6,000 gpd May 1-Oct 31 Domestic 600 gpd May 15-Oct 31 Domestic 600 gpd May 15-Oct 13 Domestic	. NIT
14.6 HD 0.025 cfs All year Domestic and fire protection 14.8 HD 2,386 gpd Apr 1-Dec 1 Domestic and fire protection 14.8 HD 3,275 gpd Anr 1-Dec 1 Domestic 10.6 HD 5,756 gpd Anr 1-Dec 1 Domestic 10.6 HD 5,756 gpd Anr 1-Dec 1 Irrigation and domestic 15.6 HD 6,500 gpd Anr 1-Dec 1 Irrigation and domestic 15.6 HD 6,500 gpd Anr 1-Dec 1 Irrigation and domestic 15.6 HD 6,500 gpd Anr 1-Dec 1 Irrigation and domestic 17.6 HD 930 gpd Anr 1-Det 31 Domestic 17.6 HD 930 gpd June 1-Nov 1 Domestic 16.6 MD 0.05 cfs Apr 1-Oct 31 Domestic 16.6 MD 4.00 gpd Apr 1-Oct 35 Domestic 16.6 MD 4.00 gpd Apr 1-Oct 35 Domestic 16.6 MD 4.00 gpd Apr 1-Oct 35 Domestic 16.6 MD 6.50 gpd Apr 1-Oct 35 Domestic 17.6 MD	NT I
14.8 HD 2,380 grd Apr 1-Dec 1 Domestic 14.8 HD 3,275 grd Mar 1-Dec 1 Domestic 14.8 HD 750 grd May 1-Det 31 Domestic 10.8 HD 5,760 grd All year Irrigation and domestic 15.8 HD 6,500 grd All year Irrigation and domestic 15.8 HD 6,500 grd All year Irrigation and domestic 15.8 HD 6,500 grd All year Irrigation and domestic 15.8 HD 6,500 grd All year Irrigation and domestic 12.6 HD O.18 cfs May 1-Det 31 Domestic 12.6 HD June 1-Nov 1 Domestic 12.6 HD 300 afe Dec 1-June 30 Irrigation and domestic 12.6 HD 300 afe Dec 1-June 30 Irrigation and domestic 12.6 HD 300 afe Dec 1-June 30 Irrigation and domestic 12.6 HD 300 afe Apr 1-Oct 1 Domestic 12.6 HD 300 grd June 1-Sept 15 Domestic 17.6 HD <	Ĩ.
148 HD 3,275 grd Max -0sc 1 Domestic 146 HD 750 grd May -0ct 31 Domestic 106 HD 5,760 grd All year Irrigation and domestic 106 HD 0.18 cf May -0ct 31 Domestic 158 MD 6,500 grd All year Irrigation and domestic 158 MD 6,000 grd May -0ct 31 Domestic 178 HD 930 grd June -Nov 1 Domestic 108 MD 0,05 cf Apr -0ct 31 Domestic 108 MD 0,05 cf May -0ct 31 Domestic 148 MD 0,05 cf May -0ct 31 Domestic 148 MD 855 grd May 15-0ct 1 Domestic 178 MD 800 grd June -5spt 15 Domestic 178 MD 800 grd June -5spt 15 Domestic 178 MD 0,32 cf May 15-0ct 31 Domestic 178 MD 200 grd June -Nov 1 Domestic 179 MD 200 grd June -Nov 1 Domestic 170 MD 200 grd June -Nov 1 Domestic 171 MD 200 grd June -Nov 1 Domestic 172 MD 200 grd June -Nov 1 Domestic 173 MD 200 grd June -Nov 1 Domestic 174 MD 200 grd June -Nov 1 Domestic 175 MD 200 grd	
12.6 MD 750 gpd May 1-Oct 31 Domestic 10.6 MD 5,760 gpd All year Irrigation and domestic 10.6 MD 0.18 efe May 1-Oct 31 Irrigation and domestic 15.6 MD 6,500 gpd All year Irrigation and domestic 15.6 MD 600 gpd May 1-Oct 31 Domestic 17.7 MD 990 gpd June 1-Kor 1 Domestic 10.8 MD 990 gpd June 1-Kor 1 Domestic 10.8 MD 0.05 efe Apr 1-Oct 31 Irrigation and domestic 10.8 MD 400 gpd June 1-Kor 1 Domestic 15.8 MD 0.05 efe Apr 1-Oct 31 Domestic 15.8 MD 4.80 gpd Apr 1-Oct 31 Domestic 17.8 MD 800 gpd June 1-Sept 15 Domestic 17.8 MD 0.32 cfe May 15-Oct 31 Domestic 17.8 MD 0.32 cfe May 15-Ualy 15 Domestic 17.8 MD 0.32 cfe Ma	3
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10E HD 0.18 efa May 1-Oct 1 Irrigation 9E HD 6,500 grd All year Irrigation and domestic 15E MD 600 grd May 1-Oct 31 Domestic 17E HD 990 grd May 1-Oct 31 Domestic 17E HD 990 grd June 1-Nov 1 Domestic 10E MD 0.05 efa Apr 1-Oct 1 Irrigation and domestic 15E HD 200 grd May 1-Oct 1 Domestic 16E MD 0.05 efa Apr 1-Oct 1 Domestic 15E HD 855 grd May 1-Oct 1 Domestic 17E HD 855 grd May 15-Oct 31 Domestic 17E HD 800 grd June 1-Sept 15 Domestic	2
10N 9E ND 6,500 grd May 1-0ct 31 Domestic 11N 15E ND 4,000 grd May 1-0ct 31 Domestic 11N 17E ND 990 grd May 1-0ct 31 Domestic 17N 12E ND 990 grd May 1-0ct 31 Domestic 11N 10E ND 0.05 of Apr 1-0ct 1 Irrigation and domestic 11N 10E ND 0.05 of Apr 1-0ct 1 Domestic and stockwatering 11N 15E ND 200 grd May 1-0ct 15 Domestic 11N 15E ND 855 grd May 15-0ct 31 Domestic 11N 17E ND 800 grd June 1-Sept 15 Domestic 11N 17E ND 0.32 cra May 15-ully 15 Irrigation 11N 17E ND 200 grd June 1-Sept 15 Domestic 11N 17E ND 200 grd June 1-Nev 1 Domestic	3 5
11M 15E MD 6.00 gpd May 1-Oct 31 Domestic 11M 17E MD 930 gpd May 1-Oct 31 Domestic 11M 12E MD 930 gpd Mune 1-Nov 1 Domestic 11M 10E MD 0.05 cfa Apr 1-Oct 1 Irrigation and domestic 11M 10E MD 0.05 gpd May 1-Oct 15 Domestic 11M 14E MD 835 gpd May 1-Oct 31 Domestic 11M 17E MD 835 gpd May 15-Oct 31 Domestic 11M 17E MD 800 gpd June 1-Sept 15 Domestic 11M 17E MD 800 gpd June 1-Sept 15 Domestic 11M 17E MD 800 gpd June 1-Sept 15 Domestic 11M 17E MD 200 gpd June 1-Nov 1 Domestic 11M 17E MD 200 gpd June 1-Nov 1 Domestic 11M 17E MD 200 gpd June 1-Nov 1 Domestic 11M 17E MD 200 gpd June 1-Nov 1 Domestic 11M 17E MD 200 gpd June 1-Nov 1 Domestic 11M 17E MD 200 gpd June 1-Nov 1 Domestic 11M 17E MD 200 gpd June 1-Nov 1 Domestic 11M 17E MD 200 gpd June 1-Nov 1 Domestic 11M 17E MD 200 gpd June 1-Nov 1 Domestic 11M 17E MD 200 gpd June 1-Nov 1 Domestic 11M 17E MD 200 gpd June 1-Nov 1 Domestic 11M 17E MD 200 gpd June 1-Nov 1 Domestic 11M 17E MD 200 gpd June 1-Nov 1 Domestic 11M 17E MD 200 gpd June 1-Nov 1 Domestic 11M 17E MD 200 gpd June 1-Nov 1 Domestic 11M 17E MD 200 gpd June 1-Nov 1 Domestic 11M 17E MD 200 gpd June 1-Nov 1 Domestic 11M 17E MD 200 gpd June 1-Nov 1 Domestic 11M 17E MD 200 gpd June 1-Nov 1 Domestic 11M 200 gpd June 1-Nov 1 Domestic 2	19 10
11M 17E MD 990 gpd June 1-Nov 1 Domestic 17M 12E MD 300 afa Dec 1-June 30 Irrigation and domestic 11M 10E MD 0.05 ofa Apr 1-Oct 1 Irrigation and domestic 11M 10E MD 200 gpd Apr 1-Oct 1 Domestic 11M 17E MD 855 gpd Apr 1-Oct 1 Domestic 11M 17E MD 800 gpd June 1-Sept 1 Domestic 11M 17E MD 0.32 ofa Apr 15-July 1 Irrigation 11M 17E MD 0.32 ofa Apr 15-July 1 Irrigation 11M 17E MD 200 gpd June 1-Nov 1 Domestic 11M 17E MD 200 gpd June 1-Nov 1 Domestic 11M 17E MD 200 gpd June 1-Nov 1 Domestic 11M 17E MD 200 gpd June 1-Nov 1 Domestic 11M 17E MD 200 gpd June 1-Nov 1 Domestic 11M 17E MD 200 gpd June 1-Nov 1 Domestic 11M 17E MD 200 gpd June 1-Nov 1 Domestic 11M 17E MD 200 gpd June 1-Nov 1 Domestic 11M 17E MD 200 gpd June 1-Nov 1 Domestic 11M 17E MD 200 gpd June 1-Nov 1 Domestic 11M 17E MD 200 gpd June 1-Nov 1 Domestic 11M 17E MD 200 gpd June 1-Nov 1 Domestic 11M 17E MD 200 gpd June 1-Nov 1 Domestic 11M 17E MD 200 gpd June 1-Nov 1 Domestic 11M 17E MD 200 gpd June 1-Nov 1 Domestic 11M 17E MD 200 gpd June 1-Nov 1 Domestic 11M 17E MD 200 gpd June 1-Nov 1 Domestic 11M 17E MD 200 gpd June 1-Nov 1 Domestic 11M 17E MD 200 gpd June 1-Nov 1 Domestic 11M 17E 200 gpd June 1-Nov 2 Domestic 11M 200 gpd 200	22
176 176 176 176 176 176 176 176 176 176 177 128 176	л к
178 125 MD 300 afa Dec -June 30 Irrigation and domestic 118 106 MD 0.05 cfs All year Domestic and stockwatering 118 166 MD 200 gpd May -Oct 15 Domestic and stockwatering 118 146 MD 855 gpd May 15-Oct 31 Domestic 118 176 MD 855 gpd May 15-Oct 31 Domestic 118 176 MD 0.32 cfs May 15-July 15 Irrigation 176 MD 200 gpd June -Nov Domestic 118 176 MD 200 gpd June -Nov Domestic 118 MD 200 gpd June -Nov Domestic 118 MD 200 gpd June -Nov Domestic 118 MD 200 gpd June -Nov Domestic 200 gpd June -Nov 20	<u>п</u>
11N 10E MG	25 17
11M 15E MD 200 gpd May 1-Oct 15 Domestic 11M 15E MD 480 gpd Apr 1-Oct 1 Domestic 11M 17E MD 855 gpd May 15-Oct 31 Domestic 11M 17E MD 800 gpd June 1-Sept 15 Domestic 11M 17E MD 0.32 cfe May 15-Uily 15 Irrigation 11M 17E MD 200 gpd June 1-Nev 1 Domestic 11M 200 gpd 200	9
11N 14E MD 480 grd Apr 1-Oct 1 Domestic 11N 14E MD 855 grd Asy 15-Oct 31 Domestic 11N 17E MD 800 grd June 1-Sept 15 Domestic 15N 10E MD 0.32 cfe Msy 15-July 15 Irrigation 11N 17E MD 200 grd June 1-New 1 Domestic 11N 17E MD 200 grd June 1-New 1 Domestic 12N 17E MD 200 grd June 1-New 1 Domestic 12N 17E MD 200 grd June 1-New 1 Domestic 12N 17E MD 200 grd June 1-New 1 Domestic 12N 17E MD 200 grd June 1-New 1 Domestic 12N 1	77
11N 14E MD 855 gpd May 15-Dct 31 Domestic 11M 17E MD 800 gpd June 1-Sept 15 Domestic 16N 10E MD 0,32 cfs May 15-July 15 Irrigation 11N 17E MD 200 gpd June 1-New 1 Domestic 11N 17E MD 200 gpd June 1-New 1 Domestic 12N 17E MD 200 gpd June 1-New 1 Domestic 13N 17E MD 200 gpd June 1-New 1 Domestic 14N 14E MD 200 gpd June 1-New 1 Domestic 15N	23 11
11M 17E MD 800 gpd June 1-Sept 15 Domestic	25 11
16N 10E HD 0.32 of May 15—May 15 Trigation Lin 17E HD 200 gpd June 1-Nov 1 Domestic	15 L
11N 17E MD 200 gpd June 1-Nov 1 Domestic	36
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APPLICATIONS TO APPROPRIATE WATER IN AMERICAN RIVER HYDROGRAPHIC UNIT TABLE C-1 (Continued)

(Filed with State Woter Rights Board as of October 1, 1963)

Application	Dota		DWR Diversion		دٌ	Location of Point	Point	of Diversion	sion		Pariod		
Number	Filed		Number	Source	74	1/4	Ssc. 1	-g -	R. B.S.M.	Amount	of Diversion	Purposs	Status
9655	1/9/21	Albert B, and Evelyn B. Christensen	1	Spring tributary to South Fork American River	NE NE	SE	25 1	NLI NLI	g g	350 gpd	May 1-Nov 1	Dometic	1-1129
5601	1/11/2	Julius L. and Ethel M. Pitotti and Edward Ogden Strong	1	Spring tributary to South Fork American Hiver	N.	NE 2	- 	LLN 15E	Đ.	pd3 007	Apr 1-Nov 1	Domestic	1-1003
9198	1/23/21	United States Bureau of Rechamation	D11N/18E-6M D12N/17E-30G1 D10N/18E-18N1 D10N/17E-32Q1	Echo Lake (import) Healts Lake Twin Lakes Silver Lake	N S. S. N	NE 3	7882	111N 12N 117N 110N 110N	17E MD 17E MD 18E MD 17E MD	2,000 afa 5,900 afa 25,000 afa 10,000 afa	All year All year All year All year	Power	1-2542
5644	1/30/21	State of California Department of Water Resources	1	Rubicon River Garle Creek Tributary to Rubicon River	111	NW -	6 4 2	13N 13N 13N 15N	13E MD 15E MD 16E MD	400 cfe 24,000 afa 6,000 afa	All year All year	Irrigation and domestic	1-12827
5644-A	1/30/21	California Water Commission	ı	Pilot Creek	SE	NA NA	7 ₁	12N 12	12E MD	100 cfs 20,000 afa	All year All year	Irrigation, domestic, and stockwatering	Inc.
5645	1/30/21	State of California Department of Water Resources	1	South Fork of American River South Fork of American River South Fork of American Aiver	111	111	25.58	LIN 9E	888 888	700 cfs 70,000 afa 60 cfe	All year All year All year	Irrigation and domestic	Inc.
5683	12/1/6	Konald S, and Jessemine Adams and Bob and Barbara Carmen Tource	!	Spring tributary to South Fork American Alver	NE	NE 2	28	NII NII	g g	200 gpd	May 1-Oct 1	Domestic	1-1201
5704	9/30/27	Dwight F. and Duane W. Bartholomew, Narry A. Bogeman and Frank E. Forbee	1	Springs tributary to Willow Greek	W	SE 1	16 1	17E	ē ₽	900 gpd	June 1-0ct 15	Domestic	I_1884
5830	2/11/28	San Juan Suburban Water District	D10N/7E-24G1	North Fork American River	SE	NW 2	23	12N B	0F.	15 cfa	June 1-Nov 1	Irrigation and domestic	1-6324
5863	3/20/28	Art. R. Cahalan, Van O. and Florence Davison and Narry E. and Jessie M. Robertson	1	Nigger Ravine	35	SE 3	- R	11N 15E	<u>B</u>	0,303 cfs	Apr 1-Nov 1	Domestic	L-1569
5981	1/16/28	United States El Dorado National Forest	1	Hewley Spring	W	NE 1	18	11N 18E	£	7,000 gpd	May 1-Nov 15	Domestic	1-5560
5989	82/61/1	Glen and Lolita Minard and E. C. Sewtelle	1	Tributary to South Fork American River	NE NE	SE	7 7 7	11N 16E	e S	pd3 00*	May 15-0ct 1	Domestic	1-1436
9009	8/1/38	J. P. Morrill	ţ	Spring tributary to South Fork American River	W	NN T	15 1	37.1 NL1	Đ.	200 gpd	May 15-Sept 15	Donestic	1-1350
6609	8/30/58	Canada Nill Gold Mining Company	015N/13E-5M	Secret Canyon	W 1/2		2 5	15N 13E	g g	8,0 cfs	Mar 1-Aug 1	Mining	1-1909
0809	10/3/28	Elmer E, Lee	ŧ	Spring tributary to South Fork American River	MN	NW 2	77	16E NII	Q	200 gpd	May 1-Oct 30	Domestic	1-2038
6105	10/26/28	R. G. and Nazel A. Cole	1	Tributary to South Fork American River	MS	NW 2	<u>ਜ</u> ਹ	11N 16E	Ð.	300 gpd	May 1-0ct 1	Domestic	1-1399
1919	1/16/29	Fay M. Mupley	ı	Camp M Spring Alder Spring No. 2	NA NA	SW	33	11N 13E 11N 13E	8 8 8 8	7,500 gpd	All year	Domestic	1-2748
6263	62/02/1	William J. and Nelen O. McCann	ı	Spring tributary to South Fork American River	A.	35	7 9	11N 18E	E MD	200 gpd	June 1-Sept 15	Domestic	1-1122
6383	1/23/29	Pacific Gas and Electric Company	DIN/14E-36M	Alder Greek	M.	NS.	36	NII NE	E WD	15 cfe	Dec 1-June 15	Power	1-2543
6410	8/16/29	Katherine C. Larsen and Sons	L14-321/NOIG	South Fork Brush Canyon	ż	4	7	10N 12E	Q.	0,5 cfs	Apr 1-Oct 30 All year	Irrigation Domestic	1-190%
77.79	8/19/29	Reymond A. Young	1	Spring tributary to Bryant Greek	SE	NW 1	15 1	17E NII	E MO	200 gpd 1	May 15-Sept 15	Domestic	I-1803
6431	9/10/29	Gerald L. Store	1	Tributary to South Fork American River	NE	SE 2	77	13N 16E	GM AD	170 gpd	May 15-0ct 1	Domestic	1-1287
07719	9/18/29	Irvin D. and Core Elliott	1	Tributary to South Fork American River	EN.	SE 2	77	11N 16E	₽ 	200 gpd	May 15-0ct 1	Domestic	1-1549
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C-22

Pending - Indicatee application complate but not yet approved.

APPLICATIONS TO APPROPRIATE WATER IN AMERICAN RIVER HYDROGRAPHIC UNIT TABLE C-I (Continued)

(Filed with State Woter Rights Board as of October i, 1963)

Application	Doie		D.W.R. Diversion]	Location of Point of Diversion	of Poin	of Di	rersion			Period		
Number	Filed	Present Owner	Number	Source	74	74	Sec	Ē	α	60	Amount	Divaraion	Purpose	Stotus
6759	2/4/30	C. A. and Mszel V. Jacobs	-	Emigrant Mavine Greek	SE	SE	~	100	JIE .	Ð	D.06 cfs M	May 15-Now 1	Irrigation and domestic	1-1888
6685	5/22/30	Armando Magri	1	Tributary to South Fork American Kiver	MS.	SE	19	Ä	16E	Ð	v pd8 00*	Apr 1-0ct 31	Domestic	1-1290
6727	7/10/30	Robert E. and Wilhelmina E. Watkins	١	Spring tributary to Bryant Greek	SE	MN	15	ă	17E	ð	200 gpd N	May 1-Nov 1	Domestic	L-1532
6730	1/17/30	Calvin and L. E. Covell, Edward, L. De La Mater, dobert E. De La Mater, Faul Knight, F. and C. N. Lawsen, Frank P. and E. W. Lagett, Lunlens and Bagene Bagers	1	Spring tributary to South Fork American	MS	N.	8	Ħ	16E	9	750 gpd A	Apr 1-Nov 1	Domestic	1-2405
6761	9/8/30	Nobert and Alice Adler	1	Spring tributary to South Fork American River	MS.	MS.	ಬ	ST.	15E	Q	195 gpd H	May 1-Sept 30	Domestic	1-1668
2619	06/11/6	George Kern	1	Forni Greek	MS	MN	7	Ą	16E	욧	200 gpd	Mar 1-Dec 1	Domestic	1-1400
1089	06/02/6	James F. and Maxine Hall and Verlin and Madeline Johnson	1	Spring tributary to South Fork American Alver	MM	NN	&	ă	16E	g.	N pd3 007	May 1-Dec 1	Domestic	L-1802
6817	10/8/30	Mary Etta Heinrich and George and Mary McPherson	1	Tributary to South Fork American Hiver	NE	SE	ನ	ă	16E	9	H pd3 007	May 15-0ct 1	Domestic	1-1906
6842	12/6/30	Donald Bass and Robert K. and Lucille B. Zellers	1	Forni Creek	MM	MN	র	Ä	16E	ð	1,800 gpd H	May 15-Oct 31	Domestic	L-1467
1689	2/9/31	N. L. Appollonio	1	Tributary to Brush Creek	MM	NS.	4	NOT	12E	9	16,000 gpd N	Nov 1-May 15	Domestic	1-2415
8869	6/29/31	Harold J. Smith	1	Rock Greek	SE	SE	7	Ã	17E	욧	200 gpd A	Apr 1-Nev 15	Domestic	1-1343
2669	1/6/31	William Welden	DIIN/17E-8RL	Pyramid Creek	SE	SE	00	Ã	17E	ð	4 cfe A	Apr 1-Dee 1	Domestic and power	1,460
6669	1/1/77	A. F. Bray and A. F. bray, Jr., W. A. Christiansen and Imogene E. Showers	1	Tributary to South Pork American Miver	A.	SE	ನೆ	ā	16E	및	800 gpd	May 15-Oct 1	Domestic	L-1419
7013	1/20/31	Frank J. Murray and Edwin J. Schoenbackler	1	Bull Greek	MS.	SS	\$7	Ä	14E	B	M pdS 007	Mar 1-Nov 30	Domestic	L-1699
7018	1/25/31	Oscar and Dorothy Durham and Joseph and Pauline Rodrigues	1	Spring tributary to South Fork American	SE	SS	23	ă	15E	身	y pd8 007	Apr 1-Dec 31	Domestic	L-1837
7019	1/21/31	Mel Gipe, M. H. Liles and Al Newman	1	Tributary to South Fork American Miver	SW	S.	19	Ę	16E	쥪	N pd3 009	May 1-Nov 30	Domestic	1-1418
7036	8/10/31	Harion G. Phillipe and Norace M. Shreve	1	Spring tributary to South Fork American Miver	WN	SE	a	ă	16E	g g	H pd3 007	May 15-Oct 1	Domestic	1-1416
7070	9/1/31	Roy and Eva Shorow	1	Tributary to South bork American River	MM	SE	73	ă	16E	ð	200 gpd	June 1-Sept 30	Domestic	L-1555
71,01	9/8/31	E. J. Blamey	1	Cody Creek	SW	AS.	19	NTT	17E	М	200 gpd M	May 1-0ct 1	Domestic	1-1512
7196	2/21/32	United States El Dorado National Forest	į	Tributary to Silver Fork of South Fork American Hiver	M.S	N.S.	88	10N	17E	⊋	H pdB 005'7	May 1-Dec 1	Domestic	1-1679
7259	5/18/32	State of California Division of Highways	1	Spring tributary to Kirkwood Greek	M.O.	Ä	৪	NOL	172	Đ	2,000 gpd K	Kay 1-Oct 31	Recreational	1-2544
7260	5/22/32	Anna M. Edwards, Clare Olive Holsciaw, Emma Mae Rughes, Edne C. Marehall and Frances M. Nechemacher	D14N/12E-14N1	Peavine Greek	35	NS.	A	r r	122	g.	3.0 cfs N	Now 1-Sept 1	Mining and Domestic	1-1907
7287	6/9/32	John D. and Earbars A. King	1	Springs tributary to Pyramid Greek	MS.	SE	80	Ä	17E	皇	2,500 gpd A	All year	Hecreational and domestic	L-2567
7294	6/16/32	James E. and Cynthie D. Barton and Claude and Delie Stage	1	Spring tributary to Twin Lakes	NE	S.	18	10N	18E	A	74 pdg 007	May 1-Now 1	Domestic	I-1684
7304	6/27/32	John G., Gene W., and Francis W. Calinon	1	Spring tributery to Bryant Creek	3S	MN	15	ă	175	9	200 gpd	200 gpd May 1-New 1	Domestic	1-241
				1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2				- and a	-]

APPLICATIONS TO APPROPRIATE WATER IN AMERICAN RIVER HYDROGRAPHIC UNIT TABLE C-1 (Continued)

(Filed with State Water Righte Board as of October 1, 1963)

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	9	Status	1-1701	L-1932	1-1942	1-1798	1-2295	1-1584	1-1820	I-4543	I~4099	L-1934	1-3154	L-1702	L-1652	L-1980	L-2233	1-1674	1-2138	121801	fnc.	Inc.	Inc.	Inc.	1-2248	1-2509	
	d	**odin	Domestic	Domestic	Domestic	Domestic	Domestic	Domestic	Domestic	Domestic	Domestic	Irrigation and domestic	Hecreational	Domestic	Domestic	Domestic	Domestic	Domestic	Domestic and fire protection	Domestic	Power	Irrigation, domestic, salinity control, flood control and navigation	Power	Irrigation, domestic, salinity control, flood control and navigation	Mecreational	Domestic	Pending - Indicates application complete but not yet approved.
	Period	Diversion	Mar 1-Dec 15	Mar 1-Dec 1	June 1-Oct 1	May 1-Nov 1	Apr 1-0ct 31	Apr 1-Nov 1	May 1-Oct 1	May 1-0ct 1	June 1-Nov 1	All year	Oct 1-June 1	May 1-0ct 31	Apr 1-0ct 31	Apr 1-Dec 1	May 1-Oct 15	June 1-Oct 1	June 15-Nov 1	Mar 1-Nov 30	All year Oct 1-July 15	Oct 1-July 15	All year Oct 1-July 15	Oct 1-July 15	June 1-Oct 1	Apr 1-Nov 1	application com
		Amount	200 gpd	pd8 00*	200 gpd	200 gpd	200 gpd	200 gpd	500 gpd	1,600 gpd	1,200 gpd	16,000 gpd	5 afa	200 gpd	1,600 gpd	200 gpd	Pd\$ 008	pd3 00†	1,000 gpd	200 gpd	2,500 cfs 831,000 afa	831,000 afa	2,500 cfs 1,050poo afa	1,050,000 afa	1,000 gpd	1,500 gpd	ing - Indicates
		B. 9 M.	Ð	Ð	Ð	Ð	Ą	夂	Ð	Ð	Ð	Ð	9	Ð	ð	Ð	Ð	Ð	Ð	ð	ð	Ð	Ð	Ð	Ð	Ð	Pend
	iveraion	œ	17E	17E	17E	17E	16E	16E	15E	16E	185	SE.	12E	17E	17E	16E	16E	17E	13E	377	8E	38	9.5	98	17E	13E	plete.
	Locotion of Point of Diversion	T,	NET	Ä	Ä	T.	Ä	NTI	Ä,	NT.	TON	12N	NT.	NTT	ij	Ä	NTI	Ä	N*77	NT	12N	128	Ĕ	Ĕ	8	NTI	yet con
	of Po	Sec.	15	80	19	19	ね	ನ	8	22	78	п	23	19	۲-	19	&	9	10	82	ជ	я	8	88	17	32	ton not
	Locotio	74	M	SE	NE	NE	SE	S	W	NE	MS	MM	NS.	Ä	SE	SE	NA	SE	₹5	SE	1	1	1	1	¥.	NE	pplicati
		74	ž	SW	M	M	- N	M	N.	S	M	SE	AS.	NN	SE	NS.	吳	NE	M	NS.	1	1 -	1	1	M	MS.	- Indicates application not yet complete.
	0	Source	Spring tributary to South Fork American River	Spring tributary to South Fork American	Tributary to South Fork American Aivar	Tributary to South Fork American Hiver	Tributary to South Pork American River	Spring tributary to South Pork American River	Spring tributary to South Fork American River	Tributary to South Fork American River	Tributary to Woods Lake	Tributary to North Fork American Kiver	Long Canyon	Tributary to South Pork American River	Rocky Caryon or Atok Creek	Spring tributary to South Fork American Alver	Tributary to South Fork American River	Spring tributary to South Fork American Alver	Grack Store Spring	Bull Greek	North Fork American Kiver	North Fork American River	South Fork of South Fork American River	South Fork American River	Tributary to Silver Fork American Alvar	Spring tributary to South Fork American River	number of right confirmed. Inc.
	DWR Diversion	Number	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	t	١	\$	i.	1	1	1	L - Indicates license
	Present Owner		and Mrs. Perry T. Poage	E. Curtis and R. W. Spencer	Elizabeth and Elwood H. Brown	Gladys Coeller	L. W. and Mauda R. Mehaffey	L. W. and Mauda H. Mehaffey	H. G. Meckfessel, wayne and Hilda Florence Miner and United States El Dorado National Forest	United States El Dorado National Forest	United States El Dorado National Forest	Jack and Mrs. Jane Amundsen	Oakland Area Council Boy Scouts of America	W. D. Knight	Don Atterbury, James H. and James W. Brady, W. O. Conger, C. A. Phillips, Clyda W. and Mee H. Must, Thomas E. and George I. Wilde and E. S. and Warner W. Wilson	John and Madeline Heinzer	John A. Berg, Frank Dalporto, Halph and Margaret Jensen, Howard K. and Edith G. King and William E. McDermott	Arthur W, and Marion L. Collins, Jack M. Harp and Jack M. Hays	United States Tahos National Porest	John M. and Bernice R. Vihel	State of California Department of Water Mesources	State of California Department of Water Resources	State of Galifornia Department of Water Mesouroes	State of California Department of Water Mesources	City of Stockton	Sacramento Mountaineers	* P - Indicates parmit number of application approved. L - In
			Mr.	ы́	<u>ы</u>	9	1																				
	Date	Filed	6/27/32 Nr	6/28/32 E.	7/8/32 E	7/16/32 G	8/6/32 L	8/6/32	9/23/32	2/1/33	3/24/33	5/25/33	6/11/33	7/26/33	8/14/33	9/6/33	12/5/33	12/26/33	2/14/34	4/12/34	5/27/34	5/21/34	5/22/34	5/22/34	5/25/34	7/5/34	permit number

APPLICATIONS TO APPROPRIATE WATER IN TABLE C-1 (Continued)

AMERICAN RIVER HYDROGRAPHIC UNIT

										-			
Application	Dote	Present Dwner	DWR Diversion	***************************************		Location of Point of Diversion	of Poin	10 to	version		1	ì	•
Number	Della		Neg EoN		4,	4/	Sec.	Ġ.	e.	9. 9 W.	Amount Diversion	• sodini	Store
8070	8/16/34	Wendell T. Mobie	•	Pulda Creek	MM	NE	12	16N	au.	9	40 cfe Nov 15-Apr	30 Mining	1-4416
8163	11/20/31	Sam and Verds Baseett, Carlton	1	Springe tributary to South Fork American	MM	SE	53	NTT	JAE	ę.	3,000 gpd All year	Domestic and fire protection	L-3553
		Ruth Smith, Carl and Ella		FAATU						1	1	i	
		Wible end Jack and Dollie E.	1		1						11		1
8271	3/4/35	United States El Dorado National Forest	1	Spring tributary to South Fork American Alver	M	Ä	1.8	Ä,	17E	9	600 gpd Apr 15-Nov 1	1 Domestic	I~1856
8356	6/11/35	William R. Weldon	1	Spring tributary to South Fork American	NE NE	NE	17	Ä	17E	Ø.	200 gpd May 1-Dec 1	Domestic	L-1933
B569	3/3/36	Albert H. and Grace B. De Capite	P	Tributary to South Fork American River	MM	MM	30	Ë	16E	9	1,750 gpd All year	Domestic and recreational	67772-1
8582	3/11/36	United States El Dorado	1	Aspen Greek	38	SE	20	NT.	17E	9	1,000 gpd May 15-Nov	1 Domestic and fire protection	1-3767
B623	3/30/36	Kyburz Weter Company	1	South Fork of South Pork American River	SW	MM	23	NTT	15E	g	3,000 gpd June 1-Oct	1 Domestic	1-3541
8658	5/6/36	Lyon and Sickele	DILN/17E-11L1	Alice Creek	NE	MS.	д	NTT	17E	Đ.	31,200 gpd May 15-Nov	1 Domestic and fire protection	P-4805
8698	6/B/36	Robert J. McCoy	1	Tributary to South Fork American River	MM	NE	19	NTI	17E	AD.	200 gpd Hay 1-Nov 1	Domestic	1-2471
8720	92/52/9	Cerald E. and Cerda M. Nordetrom	1	Tributary to South Fork American Alver	N.	NA EN	19	NT.	17E	9	200 gpd May 15-Sept 15	. 15 Domestic	1-2213
8726	1/6/36	Iris Colvin and W. D. Ledoux	1	West Branch Maequito Greek	WN	NW	ħ	74N	12E		0.3 cfs June 1-Sept	30 Mining and domestic	1-2444
8756	8/8/36	Malen Householder	1	South Fork of South Fork American River	MM	SE	8;	NTT	277	ð	200 gpd All year	Domestic	L-24,31
8791	9/111/36	Maude L. Rudech	1	Spring tributary to South Fork American	35	SE	19	T.	16E	오	200 gpd Apr 1-Det 3	31 Domestic	1616-1
8928	3/29/37	United States Taboe National	1	Temperance Creek	SE	M	17	NAL	UE	9	5,000 gpd All year	Domestic and fire protection	1-2140
0240	16/12/16	Porest	I	von to noting sudmar	}	1	1	•	1	•		104400000000000000000000000000000000000	
8929	3/30/37	United States El Dorado National Forest	17	Cox Greek	<u> </u>	MS	ส	NT.	व्या	Đ.	5,000 gpd May 1-Nov 3	30 Fire protection and etockwetering	1-2159
8936	4/3/37	United States El Dorado Netional Forest	11	Spring tributary to Silver Fork	MS	MM	ส	NOT	17E	9	2,500 gpd Apr 1-Nov 1	Domestic and fire protection	L-3972
B951	1/22/37	Lawrence T. Weldon	1	Spring tributary to Pyramid Greek	NE	NE	17	NII	17E	g	200 gpd May 15-Dec 1	1 Domestic	1-2152
8982	5/22/37	Harvey West	1	Middle Creek	ž —	1.5	1	NOT	15E	9	900 gpd Mar 1-Dec 3	31 Domestic	1-214
90.5%	6/28/37	Harry R. and Phyllie R. Luck	1	Tributary to. South Fork American Aiver	MM	NE	19	Ä	17E	Ð	200 gpd All year	Domestic	L-2557
905B	1/29/37	United States El Dorado National Forest	1	Spring tributary to South Fork American Alver	SE	SE	19	NT.	16E	9	600 gpd May 1-Dec 1	Domestic	1-2161
9084	8/22/37	United States El Doredo Netional Forest	١	White Hall Canyon	NW	MS	a	NTT	ৰ*শ	g.	2,000 gpd May 1-Nov 30	O Pire protection	L-2162
9085	8/21/37	United States El Doredo National Forest	1	White Hell Canyon	NE	NE	72	NTT	14E	Ð	2,000 gpd May 1-Nov 30	O Fire protection	1-2163
908%	8/22/37	United States El Dorado National Forest	1	Frye Creek	M	MS	77	NTT	145	ND NO	4,000 gpd May 1-Nov 30	Pire protection	1-2164
7806	8/21/37	United States El Dorado National Forest	1	Tributary to South Fork American River	NE	SE	20	NTT	15E	Ø.	2,000 gpd Hay 1-Nov 30	Pire protection	L-2165
9174	9/111/37	United States Tahoe National Forest	D16N/11E-201	Blue Canyon Ranger Station Spring	MS.	S	~	16N	ne	8	12,000 gpd All year	Domestic	L-2611
7116	9/11/37	John D. and Barbara A. King	DHY-371/K110	Pyramid Creek	N.	MS	5	NTT	17E	ð	2,2 ofs All year	Power	L-2568
9120	9/18/37	United States El Doredo National Forest	1	Rocky Canyon	SS SS	SE	7	ā	17E	9	1,200 gpd Apr 1-Dec 31	1 Domestic	1-3254
P - Indicates	permit numbe	P - Indicates permit number of application approved. L - 1	Indicates license	L - Indicates Micense number of right confirmed. Inc Indicates application not yet complete.	leatus ap.	plicatio	n not ye	t compl	ete.	Pending	- Indicates application	Pending - Indicates application complete but not yet approved.	

C-25

TABLE C-I (Continued)

APPLICATIONS TO APPROPRIATE WATER IN

AMERICAN RIVER HYDROGRAPHIC UNIT

(Filed with State Water Rights Board as of October 1, 1963)

						Location of Point of Diversion	Poin Poin	d to	version		-	Pariod		
Number	Filed	Present Owner	DWR Oiversion Number	Source	74	4/	Sec.	T _P		. B	Amount	of Diversion	Purpose	Statue.
9122	9/21/37	United States El Dorado National Forest	1	Rocky Canyon	38	SE	7	ă	17E	욧	800 gpd Apu	Apr 1-Dec 1	Domestic	1-2336
9128	9/27/37	United States El Dorado National Forest	1	Pyramid Creek	N H	SE	60	NT.	17E	ð	200 gpd Api	Apr 1-Dec 1	Domestic	1-2166
91.29	9/27/37	United States El Dorado National Forest	1	Pyramid Creek	NE	SS	90	ň	17E	쥪	200 gpd Api	Apr 1-Dec 1	Domestic	1-2167
9133	10/2/37	Anna M. Edwards, Clare Ollve Holsclaw, Emma Mae Hughes, Edna C. Marshall and Frances H. Rechenmacher	DL4N/12E-14N1	Peavine Greek	AS.	AS:	オ	N [†] T	12E	B	1.5 cfe Dec	Dec 1-Aug 1	Power	1-4677
9134	10/2/37	Oliver J. Carroll and Dliver J. Carroll, Jr.	1	Cold Stream	36 S	MS	01	NT.	17E	9	200 gpd Ma;	May 1-Nov 15	Domestic	L-3790
9189	11/21/31	United States El Dorado National Forest	1	Spring tributary to South Fork American River	38 38	M	8	NCI	16E	Ð	800 gpd Apu	Apr 1-Dec 31	Domestic	1-2168
9199	12/3/37	Lloyd E. and Gertrude Greenhalgh	1	Cold Stream	æ	MS.	ot ot	ă	17E	Ð	200 gpd May	May 1-Nov 1	Domestic	1-2571
9251	3/4/38	United States El Dorado National Forest	1	Black Rock Spring	NE	SE	18	N6	17E	모	10,000 gpd Ju	June 1-Nov 1	Domestic and fire protection	1-3922
6926	4/13/38	Sword and Sandal Organization	1	Tributary to South Fork American River	SE	MS	19	NTI	16E	ð	700 gpd Ma	Mar 1-Dec 1	Domestic	1-2694
9289	5/6/38	United States El Dorado National Forest	1	Dates Spring	MS	MS	16	ă	17E	Ð	750 gpd May	May 1-Nov 1	Domestic	1-4059
9298	5/19/38	United States El Dorado National Forest	1	Olanie Spring	MS.	æ	21	ă	17E	9	1,100 gpd Ma	May 1-Nov 15	Domestic and fire protection	1-3129
9310	86/9/9	United Statea El Dorado National Forest	1	Snow Slide Greek	W	SE	Я	Ž.	17E	B	750 gpd Ma;	May 1-Nov 30	Domestic	1-3256
9328	6/24/38	A. J. and C. Plescia and R. F. Danel	1	Tributary to South Fork American River	ž	ĕ	28	NT.	15E	9	650 gpd Mau	Mar 1-Nov 15	Domestic	1-2836
9329	6/24/38	A. J. and Constance M. Plescia and Ralph F. and Dalsy A. Danel	1	Tributary to South Fork American River	M	N.	8	МT	15E	Ð	650 gpd All	l year	Domestic	L-2535
9358	1/29/38	Henry C. Piscantor	1	Tributary to South Fork American River	Æ	NE	19	Ę	17E	ğ	200 gpd May	May 15-Sept 15	Domestic	1-2246
9399	8/29/38	United States El Dorado National Forest	1	Spring tributary to South Fork American River	N	NE	18	NT.	17E	Ð	1,200 gpd May	May 1-Dec 31	Domest1c	1-3388
8076	9/10/38	United States El Dorado National Forest	1	Tributary to South Fork American River	NE	SE	র	ñ	16E	身	M PdS 009	May 1-Nov 1	Domestic	1-4016
94.25	9/54/38	United States El Dorado National Forest	1	Spring tributary to South Fork American River	*	NE	র	ă	16E	B	400 gpd Api	Apr 1-Dec 1	Domestic	1-2337
6463	11/29/38	J. R. Masaler and A. C. and Juanita Winkelman	DIN/LIE-35M	Coon Guleh	æ	NS.	35	N	11E	9	D.75 cfe Ap	Apr 1-Nov 1	Irrigation Domestic and stockwatering	1-2485
7876	1/14/39	Moealie Williams and Ethel V. Schofield	1	Tributary to South Fork American River	š	NE	19	Ä	175	ð	200 gpd All	l year	Domestic	1-2214
9256	5/4/39	Alhambra Shumway Minee, Inc.	ı	Traverse Creek	35	NE	9	NII	11E	Ð	0.089 cfs All	l year	Mining, industrial and domestic	1-3046
643	6/56/39	Leighton S. and Marcile L. Broadley	1	Tributary to South Fork American Aiver	ž	SE	ನೆ	NTT	16E	Ð	200 gpd Ju	June 1-Sept 30	Domestic	1-24,89
9655	1/5/39	United States El Dorado National Forest	ı	Buckeye Spring	MS	SE	12	13N	311	₽	1,600 gpd All	l year	Domestic, recreation and stockwatering	1-2864
2896	1/31/39	Otto Schaefer	1971-371/N11d	South Fork American Hiver	MS	NE	17	NT.	17E	ð	4.5 cfs Al	All year	Power	1-2651
<i>1</i> 696	8/15/39	George S. Wheeler	;	Little Grizzly Creek	NS	NE	36	15N	128	9	60 gpd A11	l year	Domestic	1-4266

Inc. - Indicates application not yet complets. L - Indicates license number of right confirmed. . P - Indicates permit number of application approved.

Pending - Indicates application complete but not yet approved.

APPLICATIONS TO APPROPRIATE WATER IN AMERICAN RIVER HYDROGRAPHIC UNIT TABLE C-I (Continued)

(Filed with State Water Rights Board as of October 1, 1963)

nication	150		0 300			Location of Point of	of Point	9 9	Oivaration	-		Pariod		
Number	Filed	Present Owner	Number	Source	7,	4.	Sac.	Ē	oc oc	B. 9. M.	Amount	Oiversion	Purpose	Status
9722	68/1/6	John D. Roy	ı	Tributary to South Fork American Alver	NE	SE	*	1.1N	13E 1	Ð	900 gpd	All year	Domestic	1-2503
9728	9/18/39	George R. Kinnear	1	Station Creek	MN	SE	23	I.	16E	9	200 gpd	Apr 15-Nov 1	Domestic	1-2573
9816	1/29/40	United States Tahos National Forest	1	Spring tributary to North Fork American River	Lot	H	9	15N	ne l	<u> </u>	6,500 gpd	May 1-Dec 1	Mecrestional and fire protection	1-2599
984.2	2/29/40	United States El Dorado National Forest	1	Frye Creek	NE	SE	%	nu.	- - 171	9	2,000 gpd	Apr 1-Nov 15	Domestic and fire protection	1-3028
984.3	5/29/40	United States El Dorado Nationel Forest	1	Spring tributary to South Fork American River	MN	SE	8	ā	16.5	Ð	1,200 gpd	Apr 1-Dec 1	Domestic	1-3273
6586	3/25/40	Armande P. Dart	1	Cold Stream	MS	MS	70	11N	17E [- OM	200 gpd	Apr 1-Dec 1	Domestic	1-3428
6986	07/6/7	United States El Dorado National Forest	1	Tributary to South Fork American Alver	MS	ž	\$2	NTI	168	QV QV	pd3 009	Apr-Dec 31	Domestic	1-2865
9872	4/13/40	Enily J. Gerard	ı	Spring tributary to Canyon Greek	S.	MN	33	13N	311	9	pd3 009	All year	Domestic	1-3764
9884	17/56/40	United States El Dorado National Forest	1	Tributary to Silver Fork	Pot Pot	12	35	ILN I	150	9	pd3 007	Mar l-Jen l	Domestic and fire protection	1-2866
0686	5/8/40	United States El Dorado National Forest	1	Aspen Creek	SE	SE	10	NII	17E 1		2,400 gpd	May 15-Oct 15	Donestic and fire protection	1-2867
9952	7/12/40	Jack G, and June M, Nesh	1	Pyramid Greek	MS	SS	00	NIT	17E 1	9	200 gpd	All year	Domestic	L-2563
5566	1/20/10	United States El Dorado National Forest	1	Bryant Fork Creek	38	M.	15	NITT	176	ð. 	5,800 gpd	June 1-Sept 15	Domestic and fire protection	1-3502
9866	8/19/40	Devid H. Tormey	1	Cold Stream	MS	MS	01	TEN T	17E 1	Ð	200 gpd	July 1-Sept 30	Domestic	1-2575
10016	9/25/40	United Stetes El Dorado National Porest	1	Gerle Creak	SE	MN	д	13N	377	Ð	250 gpd	June 1-Nov 1	Domestic	1-3375
01101	2/5/41	United States El Dorado National Forest	1	Sheep Corral Creek	홋	MM	~	N6	175	Ð	10,300 gpd	Apr 1-Dec 31	Domestic and fire protection	1-5870
10121	2/20/41	G. A. and Helen Cort	1	Tributary to South Fork American River	SE	SE	19	NT.	16E	g.	pd3 009	All year	Domestic	1-3045
10126	2/20/41	United Stetes Tahoe National	1	Texas Hill Spring	SE	EN .	8	16N	12E 1	Ð	2,350 gpd	June 1-Dec 31	Domestic, stockwatering and fire protection	1-2886
10129	2/20/17	United States Tahoe National Forest	1	Dawson Spring	SE	S S	92	16N	128		750 gpd 1	May 1-Dec 1	Domestic, stockwetering and fire protection	1-2655
10192	17/62/71	United States El Dorado Netional Forsst	1	Ross Spring	MM	30	18	NOT	18E	9	pd3 009	June 15-Oct 1	Domestic and fire protection	1-3161
10205	5/12/41	Marie Martin	1	Sailor Canyon New York Canyon Little Sailor Canyon	SW	SE 18	202	15N 15N 15N	13E 13E	원원원	150 cfs /	All year	Mining and domestic	P-5934
10212	5/28/41	Elva 8. Teylor	1	Spring tributary to Kirkwood Greek	SW	Ä	22	NOT	17E 1	ð	pd8 005	June 1-Now 1	Domestic	1-3524
10289	t4/12/6	United States El Dorado National Forsat	1	Tributary to South Fork American River	WM	ω Z	19	11N	17E	<u>9</u>	250 gpd 1	May 1-Dec 1	Domestic	1-2921
10290	17/17/6	United States El Dorado Netional Forest	1	Benwood Greek	350	SE	7	NII	185	9	1,400 gpd	June 1-Now 1	Domestic	1-6099
10325	17/27/11	Georgia P. Peters	1	Spring tributary to South Pork American Alver	SE	SE	22	NII	15E		200 ggd	May 1-Nov 30	Domestic	1-3291
10344	12/21/21	Lawrence E. Abel and Evelyn Jury	1	Spring tributary to South Fork American Alver	SE	SE	8	ā	15E	9	200 gpd	June 1-Sept 30	Domestic	1702-1
10360	1/13/42	United States El Dorado National Forest	1	Tributary to South Fork American Aiver	NE	SE	7	NII	16E	9	325 gpd 1	May 1-Nov 1	Domestic	1-4095
10385	2/6/42	United States El Dorado National Forest	1	Station Greek	N.	SE	ଛ	NII	16E	9	200 gpd	Apr 1-Nov 1	Domestic	1-2948
- Indicates	permit mumbe	• P - Indicates permit number of application approved. L - 1	L - Indicates license	number of right confirmed. Inc Indicates application not yet complete.	icates ap	plicatio	n not ye	t comp	lete.	Pending	- Indicates	application comp	Pending - Indicates application complete but not yet approved.	

AMERICAN RIVER HYDROGRAPHIC UNIT (Filed with State Water Rights Board as of October 1, 1963) APPLICATIONS TO APPROPRIATE' WATER IN TABLE C-1 (Continued)

										}				
Application	Date	Present Owner	OWR Diversion	-0170 <i>S</i>		Location of	of Point	70	Diversion		Amount	Period	Purpose	***************************************
					<u>*</u>	4,	Sec	å	œ	B. 8 M.		Diversion		
10397	3/11/42	Narry E. and Audrey A. Sollenberger	t	South Fork American River	Ä	MN	72	NT.	15E	gy.	200 gpd A	Apr 1-Nev 1	Domestic	1-3042
10405	3/16/42	United States El Dorado National Forest	,	Spring tributary to South Fork American River	MS.	AS.	&	NTT	15E	DW .	900 gpd	May 1-Dec 1	Domestic and fire protection	L-3288
10/41	5/6/42	United States Tahoe National Forest	i	Lost Camp Hidge Spring	M	SS.	%	16N	IJE	ð	P pd8 059	June 1-Oct 31	Stockwatering and domestic	L-3031
10442	5/6/42	United States Tahoe National Forest	1	North Fork Spring	W	M	60	16N	12E	ð	150 gpd M	May 1-Nov 1	Domestic	1-4181
10443	5/6/42	United States Tahce National Forest	ı	Onion Valley Spring	N N	MS.	80	16N	12E	Ð	0.015 cfe M	May 1-Oct 31	Irrigation, domestic, etock-	P=6015
	5/6/42	United States Tahoe National Forest	ı	Long Valley Spring	NE	¥	100	16N	14.5	g g	2,000 gpd	June 1-Sept 1	Stockwatering	1-2890
10463	5/16/42	United States El Dorado National Forest	1	Tributary to South Fork American River	SE	Ž.	24	NET.	151	₽	3,600 gpd M	May 1-0ct 31	Domestic	1-2933
10477	6/12/42	Leighton S. and Marcile L. Broadley	1	Tributary to South Fork American Alver	MN	SE	at a	NTT	16E	욧	M pd8 059	tay 1-Oct 15	Domestic	1-2967
104.84	6/26/42	Conley and Welen Sanders	1	South Fork American River	SE	S.W.	100	Ē	17E	Ð	200 gpd M	fay 1-0ct 31	Domestic	1-3289
10534	24/8/6	Ed and Hilda McCann	i	Frye Creek	Ę	SE	%	NT.	14E	Ð	200 gpd 17	lan 1-Dec 31	Domestic	1-2796
10593	1/25/43	United States El Dorado National Forest	10	Tributary to South Fork American Hiver Champagna Canyon	SE	NA SW	& 8	ĒĒ	16E	見日	2,200 gpd M	May 1-Oct 1 May 1-Oct 1	Domestic	1-4548
10901	2/24/43	United Statee El Dorado National Forest	1)	Aspen Greek	SE	SE	ន	Ĕ	17E	Ð	M pd8 007	tay 1-Nov 15	Domestic and fire protection	1-3643
10608	3/4/43	United Statee El Dorado National Forest	ı	Spring tributary to South Fork American Hiver	SE NE	NE SE	71	AAA	17E	999	1,000 gpd	June 1-Sept 15	Domestic and fire protection	77107-1
			1		NE NE	SES			17E	1.00				
10614	3/16/43	United States El Dorado National Forest	1	Alder Craek	MS	E	35	T.	श्रुगा	ě	5,000 gpd A	Apr 1-Nov 30	Domestic and fire protection	1-3297
10700	8/20/43	Atchard C. and Sunne V. Delby, W. L. and Wirginis Fisk, Gordon Maddox and William and Annette Santos	012N/10E-1701	Poverty Creek (& pointe)	NM	MM	17	12N	105	<u>B</u>	0.46 cfe A	All year	Domestic and irrigation	1-6072
10731	11/11/43	Kicherd M. Miller	D12N/9E-33L1	Hastings Greek	EN.	SW	33	12N	36	Ð	0.92 cfs MA	May 1-Oct 1 All year Nov 1-June 1	Irrigation Stockwatering and domestic	6775-7
10773	5/23/44	United States El Dorado National Forest	D	Tributary to South Fork American Hiver	Ä	N	д	NILL	17E	ð	200 gpd M	lay 1-0ct 31	Domestic and fire protection	1-2940
10821	2/19/14	United States El Dorado National Forest	D11N/17E-30C1	Cody Creek	NS.	MS	19	NTI	17.5	<u>5</u>	10,500 gpd A	Apr 1-Dec 31	Domestic and fire protection	I~4870
10823	5/26/14	United States El Dorado National Forest	1	Tributary to South Fork American River	AS AN	NA	প্ত	ĒĒ	14.E	99	7 pd3 007 700 gbd	Ul year	Domestic	1-3084
10827	th/5/9	United States El Dorado National Porest	+1	Spring tributary to South Fork American	W	NA NA	8	NT.	16E	ð	2,200 gpd M	lay 1 -0ct 15	Domestic and fire protection	1-5654
10848	1/22/14	Otto Schaefer	D11-371/N110	South Fork American River	MS.	NE	17	NTI	17E	9	1.0 cfe A	All year	Power	1-3034
10936	12/29/14	H. B. Hickerson	1	Spring tributary to North Fork Weber Greek	SE	SE	4	NOT	12E	9	0,02 cfe M	May 1-Nov 1	Irrigation and etockwatering	1-3546
10945	1/4/45	United States El Dorado Netional Forest	1	Spring tributery to Silver Lake	MS	SE	7	N6	17E	£	bq2 000	June 15-Oct 15	Domestic	1-3567
10962	1/25/45	Charles M. Muskavitch	1	East Branch of Mormon Ravine	NN	N.	-	-	38	Ð		All year	Domestic and fire protection	1-3656
11055	5/22/45	Claire C. Adama	-	South Fork American River	NM	NE	27	אַנו	15E	DV.	200 gpd A	Apr 1-Dec 15	Domestic and fire protection	1-3324

C-28

L - Indicates license number of right confirmed.

Pending - Indicates application complets but not yet approved,

Inc. - Indicates application not yet complete.

APPLICATIONS TO APPROPRIATE WATER IN AMERICAN RIVER HYDROGRAPHIC UNIT TABLE C-1 (Continued)

(Filed with State Water Rights Board as of October I, 1963)

Application	Date	Present Owner	DWR Diversion	200000	Lo	Location of Point of Diversion	Point	of Dive	sien		Period	d	•
Number	Filed		Neger	83.5370	74	47	Sec.	٦.	R. B. B. M.	Amount	Diversion	and in	Sieru
11097	1/5/45	Carl S. Balch	ı	Spring tributary to Twin Lakee	NW	NE	19 1	10N 18E	E AD	pd9 09	June 1-Nov 1	Domestic	1-3024
11142	9/11/112	Henry F. Goodrich	;	South Fork American River	NW	H	27 1	NTI NTI	15E MD	200 gpd	May 1-0ct 1	Domestic and fire protection	1-3354
11157	9/19/45	United States Taboe National Forest	1	Tedpole Spring	ž	7	7	15N 1	13E MD	1,800 gpd	May 1-0ct 31	Stockwatering and recreational	1-3207
11162	6/121/17	Cecella M. Minard	ı	South Fork American River	MW	NE	27 1	1 MII	15E ND	200 gpd	All year	Domestic and fire protection	1-3032
11184	10/16/45	L. G. Brownell	;	South Fork American River	NW	NA NA	27 1	HT.	15E 100	200 gpd	June 1-Nov 1	Domestic and fire protection	1-3390
11256	1/10/46	United Statee El Dorado National Forest	1	Tamarack Flet Creek	NW	SE	6	H M	17E MD	pd8 000°07	All year	Domeetic, fire protection and recreational	F-6733
11264	1/27/10	Erneet K. Richardeon	D11N/17E-9K1	Tamareck Flat Greek	75	SS	9 1	17E	ē ē	0.05 cfe	All year	Domestic, fire protection and recreational	P-6934
11296	2/26/46	United Statee El Dorado Netional Porest	1	Spring tributary to Gerle Creek	AN .	35	3	13N 14E	Đ Đ	3,000 gpd	May 15-Nov 15	Domeetic and stockwatering	1-3241
11303	3/1/46	Lawrence T. and Vera Moore	DIIN/IIE-32M	Tributary to White Mock Greek	MN	75	32 1	aur Mui	Q M	7,200 gpd	May 1-Oct 31 All year	Irrigation Domestic	1-3376
11370	4/12/46	United States El Doredo National Forest	1	Tributary to South Fork American Alver	As .	SE	2 7	NI NI	17E HD	200 gpd	All year	Domestic and fire protection	1-3497
11464	1/10/46	Hobert H. and Blanche Gardiner	1	Forni Creek	MS.	MM	77	11N IX	16E MD	200 gpd	June 15-Sept 1	Domestic	1-3573
11473	1/18/46	Syron and M. Francis Bacchi	DL2N/12E-11JJ	Pilot Greek	NE	SE	n n	12N 1ZE	e e	0,2 cfe	June 1-Sept 30	Irrigation	1-3238
11498	9/2/46	Dorces Fepini	1	Church Ravine	SE	NS MS	17 1	11N 10	10E 14D	2,700 gpd	Mar 1-Nov 30	Irrigetion	1-3249
11523	8/22/46	Frances E. Holeclaw and Donald McFarlan	1	Spring tributary to Peavine Greek	NE.		1 91	1,4N 12E	9	11,000 gpd	All year	Domestic and fire protection	1-5447
11588	10/11/16	Jeck W. and Marcelle Greene	DION/10E-18C1	Indian Greek	Ä	MW.	18 1	10N 10E	E 10	195 afa	Nov 1-June 15	Irrigation	1-3374
11608	11/6/46	Edward J. and Hilds V. McCenn	ł	Frye Creek	NE	SE	26 1	11N 14E	g g	200 gpd	All year	Domestic and fire protection	1-3330
11628	11/18/46	Raymond and Helen Butterfield	1	Spring tributary to South Fork American River	MN	SE	35 1	3E1 NL1	e e	700 gpd	All year	Domestic	1-3206
11675	12/30/46	Otto Scheeffer	D11N/17E-18HJ	Tributary to South Fork American River	SE	NW	18 1	17E NII	E E	30,000 gpd	All year	Domestic	P-6999
9/911	12/31/46	O. M. Barnes	1	Tunnel tributary to Proepect Creek	NE	NE 1	16 1	T NOT	U.S. NO	1,400 gpd	All year	Domestic	7707-1
11689	1/6/11	E. B. Livingetone	DION/10E-32J1	Iributary to Weber Greak	NE	SE	32 1	10N 10	10E MD	45 afa	Oct 1-Mar 1	lrrigation and stockwatering	1-5205
11698	1/20/11	Pollock Pines-Fresh Pond Public Utility Dietrict		Plum Creek	NE	SE	32 1	NT.	14E NO	0.5 cfe	All year	Domestic and industrial	P-6938
11738	2/19/47	Pollock Pines-Freeh Pond Public Utility Dietrict		Plum Creek	NE	SS	32 1	TIN NITE	Đ.	110.0 afe	Oct 1-June 1	Domestic and industrial	P-6939
11742	2/25/47	United-Statee El Dorado National Forest	1	Rocky Canyon	SE	N N	7	17E NUI	Đ Đ	350 gpd	May 1-Dec 1	Domestic	1-3419
11787	3/19/47	United States Tahoe National Forest	1	Spring tributary to North Fork of Middle Fork American River	MS	NS.	7 7	all Nau	g g	300 gpd	All year	Domestic	1-4862
11812	17/11/11	Walter and Jeanetta Powell	1	Chunk (Chins) Creek	W	SE	ر د	10N I	UE NO	750 gpd	All year	Domestic and fire protection	17,180
11813	171717	O. J. and Lillian Larsen	1	Chunk Creek	MN	SE	13 1	10N I	JIE NO	pd8 096	All year	Domestic	1-4317
11817	17/8/71	Carry B. and Elieabeth L. Baker	ł	Hangtown Creek	SE	N.	70 07	10N 10E	E MD	0.025 cfe	All year	Irrigation and stockwatering	F-6920
11822	1/11/11	H. E. Weet	I	Spring tributary to South Fork American River	NE NE	MS:	25	11N 12E	ğ Ş	0.1 cfs	All year	Domestic and industrial	1-4859
11836	1755/11	Stewart Marshal	D10N/10E-23G1	Tributary to Indian Greek	SW	NE NE	23	10N 10E	e e	13.0 afa	Oct 1-May 31	Domestic, irrigation and stockwetering	1-4243
11850	2/1/1/5	Carry B. and Elizabeth Baker	1	Hangtown Greek	MS	N	n	10N 10E	φ 9	3,000 gpd	All year	Domestic and stockwatering	1-3357
						1	1						

C-29

· P - Indicates permit number of application approved. L - Indicates licenes number of right confirmed.

Inc. - Indicates application cot yet complete. Pending - Indicates application complete but not yet approved.

AMERICAN RIVER HYDROGRAPHIC UNIT (Filed with State Water Rights Board as of October 1, 1963) APPLICATIONS TO APPROPRIATE WATER IN TABLE C-I (Continued)

٠	Stotus	1-3395	1-4861	P-7176	1-3351	1-4744	1-3346	1-3386	I-4884	1-3250	1-3440	P-7203	L-3399	1-6648	1-5976	1-4846	P-11358	1-4847	1-3777	1-447	1-4478	1-3602	1-4885	1-6374	1-3761	1-4341	P-11359	P-10703	
	Purpose	Domestic	Fire protection	Domestic and irrigation	Domestic	Domestic	Domestic	Domestic and fire protection	Domestic	Domestic and fire protection	Domestic and fire protection	Domestic and irrigation	Domestic	Irrigation	Irrigation	Domestic and stockwatering	Municipal, domestic, recreational and industrial	decreational	Irrigation and stockwatering	Irrigetion and stockwatering	Irrigation and stockwatering	Irrigation, domestic and stockwatering	Domestic	Irrigation	Irrigation and etockwatering	Irrigation and domestic	Municipal	Power	
Period	Oiversion	June 1-Oct 1	Apr 15-Nov 30	Oct 1-June 1 Oct 1-June 1 Oct 1-June 1 Oct 1-June 1	All year	June 1-Oct 1	All year	June 1-Nov 1	All year	May 1-Nov 1	May 1-Nov 1	All year	June 1-Sept 15	Nov 1-Apr 30	Nov 1-Apr 30	All year	Nov 1-Aug 1 Oct 1-June 1	Oct 30-May 1	Oct 30-May 1	Oct 30-May 1	Nov 1-Apr 30	Nov 1-May 1 Nov 1-May 1	All year	May 1-0ct 15	Oct 1-May 30	Nov 1-Apr 1	Oct 1-July 31 All year Oct 1-July 31	Oct	Oct 1-July 31
	Amount	350 gpd	1,000 gpd	45 afa 10 afa 20 afa 0.3 efs	2,000 gpd	1,200 gpd	pd3 009	6,450 gpd	300 gpd	1,400 gpd	300 gpd	28,000 gpd	pd3 009	22 afa	636 afa	2,225 gpd	500 cfs 250,000 afa	lo afa	10 afa	49 afa	7 afa	4,000 gpd	pd8 00*7	.5 cfs	70 afa	2 afa	50,000 afa 310 cfs 225,000 afa	50,000 afa	400 cis 225,000 afa
,	B. 6 M.	Ð	ð	999	Ð	묏	ð	Ð	ð	Ð	욧	<u> 9</u> 9	€	Ð	Ð	£	모모	ð	Ð	Ð	ð	皇	욧	Ð	Ð	Ð	무무	ð	Æ
Diversion	œ	15E	17E	888	13E	17E	15E	14E	HE	HE	14E	13E 13E	17E	9E	98	11E	36	TTE	10E	10E	10E	10E	11E	TE	9E	9E	यूनी	1/E	14E
Point of C	r g	Ĩ.	ži.	<u> </u>	NTI	N T	NTI	N777	NTI	15N	15N	NA NA	NITT	3	NT.	NT.	E B	NOT	TON	NII	NTT	Ä	NTI	NOT	N6	10N	NA PA	NT.	12N
ŏ	Sec.	87	9	888	34	ಸ	8	80	32	8	31	**	15	90	8	32	28	6	٣	32	33	8	32	~	12	25	48	-	8
Locotion	1/4	SS	SE	NW NW	SW	NE	MN	SE	SE	SE	MN	NW	MN	MS	Ä	SE	SE	SW	Ä	SE	SW	NE	SE	SE	SW	SE	MS SW	MS.	MS
	4/	MN	SE	SE	M	M	N E	SW	NE	SE	N	SE	SW	SE	NW	NE	NW NW	MS	MS	MN	₹s	NE	NE	NE	NS.	SE	35 35	SE	SE
	Vource	Spring tributary to South Fork American Hiver	Aepen Greek	Tributary to Weber Greek	Spring tributary to South Fork American Hiver	Sayles Greek	Tributary to South Fork American River	Jerrett Spring	Tunnel tributary to White Rock Creek	Pagge Creek	Spring tributary to Middle Fork American Miver	Sawmill Greek East Fork Sawmill Greek	Spring tributary to South Fork American Hiver	Tributary to Nortons Ravine	Jacobs Greek	New World Tunnel	American River South Fork American River	Tributary to Hangtown Greek	Tributary to Weber Greak	Tributary to Weber Greek	Tributary to Weber Greek	Indian Greek	Tunnel tributary to White Nock Greek	White Rock Canyon	Tributary to Shingle Greek	South Fork Tennessee Creek	South Fork Silver Greek Silver Greek	South Fork Silver Creek	Silver Greek
DWR Diversion	Number	1	1	011N/9E-36F1	1	1	ı	1	1	1	1	1	!	148-36/NTTO	O11N/9E-2381	1	1	ING-BILL/NOIG	010N/10E-381	TLSE-3271	1	DIIN/10E-33A2	1	DION/11E-3J	1	1	נאנ-שינ/אנום	נאנ-פיונ/ארוס	
9		United Stetes El Dorado National Forest	United States El Dorado National Forest	Nick J. Schubin	United States El Dorado National Forest	United States El Dorado National Forest	United States El Dorado Netional Forest	United States El Dorado National Forest	Joseph and Marie Koch	United States El Dorado National Forest	United States Tahoe National Forest	Roman V. and Olga H. Gankin, William J. Green and L. L. Schindell	United States El Dorado National Forest	Richard Miller	L. D. Stodick	John Capek	City of Sacramento	Plorence Lumsdan	Florence S. Karr	L. W. Veerkamp	L. W. Veerkamp	Leo A, Akin	Joseph and Maria Koch	W. C. Cumming	D. R. Barnett	Nerman P. and Sertha R. Sharp	City of Sacramento	Sacramento Municipal Utility	Detrict
Dat*	Filed	2/6/47	21/92/5	171/5/9	6/17/47	1/3/47	7/27/47	1/57/11	27/1/8	8/12/47	8/12/47	8/11/47	8/26/47	10/8/47	10/16/47	10/29/47	10/29/47	74/47	11/11/11	12/1/47	12/1/47	12/3/47	12/29/47	1/13/48	1/23/48	2/11/48	2/13/48	2/13/48	
Application	Number	11867	11893	11917	77/611	11971	12000	12007	12018	12036	12037	12046	12057	12124	12131	121.39	12740	12149	12156	12180	12181	12184	12218	12240	12253	12318	12321	12323	

		DWR Diversion			Location	Location of Point of Diversion	of D	version			Period		
	Present Owner	Number	Source	74	74	Sec.	Ë	œ	9. 9 M	Amount	of Diversion	Purpose	Stotue
a c	Lawrence K. and Maryette E. Snyder	ı	Spring tributery to Live Oak Greek Live Oak Greek	8.8	2.5	88	LLN LLN	88	99	1,000 gpd 9,600 gpd	Apr 1-0ct 1 Apr 1-0ct 1	Irrigetion and domestic	1-5622
	Armin I. and Virginie May Winje	1	Tributary to Granite Canyon	43	W	32	NTT	TOE	Ð	0.015 cfs	Apr 1-Oct 31 All year Nov 1-Apr 1	Irrigetion Domestic and stockwatering	1-4118
	United States 11 Dorado National Forest	1	Pyramid Creek	NE	SE	bió	NT.	17E	9	300 gpd	Apr 1-Oct 1	Domestic	1-3723
	Emilio P. and Edith Marie Canepa	DION/11E-14C1	Spring tributary to Weber Creek	NE	NA	オ	10N	311	Ð	14,500 gpd	May 1-Oct 1	Irrigation	1-5221
	Georgetown Divide Public Utility Dietrict	1	Pilot Creek	SE	E	п	12N	12E	Ð	50 cfs 20,000 afa	Nov 1-Aug 1 Nov 1-Aug 1	Irrigation, domestic and stockwatering	P-11305
	Sam Winje	D11N/10E-29C1	Chunk Ravine	EN.	AN.	&	NT.	10E	ð	t afa	Jan 1-June 1	Irrigation and etockwatering	1-3529
0	George M. and Isebelle D. Volz	D11N/10E-34E1	Indian Greek	S E	NE NE	325	ĒĒ	10E	9.9	10 efa	Nov 1-June 1 Nov 1-June 1	Irrigation and domestic	1-3771
944	Leo A. Akin	DION/11E-31CI	Tributary to Weber Creek	SIM	SE	31	NTT	10E	Q.	40 afa	Oct 1-May 1	Irrigation and stockwatering	L-3889
60	Sarbara H. and Paul A. Kneebone	1	Spring tributary to Clipper Ravine	MN	NE	to to	13N	36	ð	1,400 gpd	All year	Domestic and stockwatering	1-4848
2	United States El Dorado National Forest		Bull Creek	SE	SE	8	NT.	377	Ð	900 gpd	Apr 1-Dec 1	Domestic and fire protection	1-553\$
0	Demitri P. Keusseff	1	Tributary to South Fork American River	MS	NE	35	NT.	13E	9	2,200 gpd	All year	Domestic	1-4049
O	City of Secramento	1	Aubicon Kiver	MN	MS	6	13N	16E	Ð	500 efs	Nov 1-Aug 1	Municipal	P-11360
			Hock Bound Greek	ş	ম	9	13N	16E	9	200 ef	Nov 1-Aug 1		
			Gerle Greek South Fork Aubicon River	SS	SE	~¤	13N 13N	15E 14E	99	25,000 afa 500 cfa	Nov 1-Aug. 1 Nov 1-Aug 1 Nov 1-Aug 1		
(J)	Sacramento Municipal Utility	1	Rubicon River	NM	MS	6	13N	16E	₽	500 cfs	All year	Power	P-10704
			Nock Bound Creek	Pot	87	9	13%	16E	Ð	200 cfs	All year		
			Gerle Greek South Fork Abbicon River	SE	SW	NO.	13N 13N	15E 16E	99	25,000 afa 500 cfa 200,000 afa	Oct 1-July 31 All year Oct 1-July 31		
Sales .	Robert Lowell Lung	DION/10E-2Pl	Cold Springs Creek	SE	AS.	2	NOT	10E	욧	25 afa	Nov 1-May 1	Irrigetion and etockwatering	1-4021
H	L. W. Veerkamp	DION/IIE-32L1	Tributary to Weber Greek	MN	SE	32	MA	10E	ð	36 afa	Oct 30-May 1	Irrigation and stockwatering	1-4479
0	Otto Schaefer	D181-371/NIIO	Springs tributary to South Pork American	NE	NA NA	18 18	ĒĒ	17E 17E	요요	7,200 gpd	All year	Domestic	P=7739
EQ.	Esrnice Sowen	DL2N/9E-16JI	Fish Creek	SE	NE NE	22	1.2N 1.2N	38	요요	0.09 cfs 0.15 cfs	May 1-Oct 15 All year	Irrigation Stockwatering	1-4363
-	L. J. and E. Selle Esper	D12N/8E-24J1	Knickerbocker Creek	NE	SE	77	12N	38	ð	4 afa	Nov 1-Apr 1	Irrigation	1-4220
Ag	Michard M. Miller	012N/9E-33L1	Hastinge Creek	NE	AS.	33	128	9E	욧	52 af8	Now 1-June 1	Irrigation, domestic and etockwatering	I-5450
	George 5, and Dorothy C.	1	South Fork American Niver	N	N N	12	LIN	15E	g g	200 (200	Mar 1-Nov 15	Domestic	1-3813
184	Edward and Hilda McCann	1	Evane Creek	SE	MN	22	NT.	345	Ð	200 gpd	Mar 15-Dec 19	Domestic	1-3824
3	John H. Lieneu	DL4N/9E-22F1	Live Oak Greek	SE	NW	22	7.4N	36	ð	11.6 afa	Dec 1-Apr 15	Fish culture	1-4332
-	О. м. Sernett	ı	Tributary to Shingle Greek	MS	NS.	12	N/6	9E	Ð	45 afa	Oct 1-May 30	Irrigation and etockwatering	1-3762
Q	Gordon N. and Chinina M. Garland	DIJA/8E-1CI	Pilot Creek	R	W	7	Ä	38	<u>9</u>	12 afa 2,5 cfs	Oct 1-Apr 1	Irrigation, domestic and stockwatering	P-7831

APPLICATIONS TO APPROPRIATE WATER IN
AMERICAN RIVER HYDROGRAPHIC UNIT
(Filed with Stote Weter Rights Boord as of October 1, 1963)

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Application	Dote	Present Owner	DWR Diversion			Location of Point of Diversion	of Po	nt of C	iversion			Pariod		•
umber.	P. III		Number	Source	1/4	1/4	Sec.	η.	R.	B. 6 M.	Amenut	Divaraion	Purpose	Stotue
13257	1/25/49	L. W. Veerkamp	LIZ6-301/N110	Tributary to Weber Greek	MS	MS	32	NTT	TOE	Ð	7.7 afe N	Nov 1-Apr 30	Irrigation and stockwatering	1-4480
13292	8/11/49	Allen and Anna Eugene Lowery	1	Spring tributary to South Fork American River	MN	SE	&	Ä	15E	ð	300 gpd A	All year	Dometic	1-3787
13296	8/15/49	H. H. Smith, Estete of	DION/10E-21A1	Indian Creek	NE	NE	র	NOT	10E	g	148 afa S	Sept 15-May 3	Mining and domestic	1-6304
13318	8/29/49	Wayne L. and Wesley M. Davey	ı	Spring tributary to South Fork American. River	M	SS	82	NTT	15E	ð	300 gpd A	All year	Domestic	1-3788
13369	6/28/49	Chester A. Carver	1	Tributary Mangtown Creek	SE	Mi.	9	TON	311	£	0,031 cfe N	May 1-0ct 1	Irrigation	1-5210
13370	10/1/49	United States Bureau of Reclamation	DION/7E-24G1	American River	SW	NE	7.7	NOT	7E	ð	8,000 cfs A	All year Oct 1-July 1	Irrigation	P-11315
13371	10/1/49	United States Bureau of Reclamation	DION/7E-24G1	American Miver	MS.	Ä	a	10N	TE.	ð	700 cfe A	All year Oct 1-July 1	Municipal, industrial, domeetic and recreational	P-11316
13372	10/1/49	United States Bureau of Reclamation	DION/7E-24GI	American River	SW NE	NE NE	79.	NOT No.	7E	66	8,000 cfs	All year Oct 1-July 1	Power	P-11317
13383	10/5/49	United Statee El Dorado National Forest	1	Spring tributary to South Fork American Alver	SE	MS.	8	TEN I	16E	ð	bq8 009	Apr 1-Dec 31	Domestic	1-3834
13410	10/24/49	United States El Dorado National Forest	1	Jones Spring	MN	SS.	18	NOL	18E	Ð	200 gpd	May 1-Nov 1	Domestic and fire protection	1-3797
13502	12/7/49	Marry Balderston	1	Tunnel tributary to South Fork American River	SS	NE	33	13N	TE	g	750 gpd A	All year	Domestic	I-4853
13519	12/21/49	Leon M. and Cluseppine Gastaldi DilN/10E-33ML	DILIN/10E-33M	Tributary to Weber Greek	NW	MS	33	NTT	10E	ð	83 afa	Nov 1-May 15	Irrigation	1-5414
13520	12/21/49	Lawrence Niegel	D12N/9E-16K1	Tributary to Black Rock Greek	MN	SE	97	12N	96	ð	N ala 07	Nov 1-May 1	Irrigation	1-3833
13521	12/21/49	Bernice and Ralph Bowen	DIZN/9E-16JI DIZN/9E-21FI	Tributary to Fish Greek	SE	WM	ব	12N	9E	ð	145 afa C	Oct 10-May 1	Irrigation	1-4467
13576	2/9/50	Charles W. Singer	DIZN/9E-31NI	Tributary to Pilot Greek	MS	NS	33	128	36	Ð	57 afa C	Oct 1-Apr 30	Irrigation	1-4797
13592	2/20/50	Stewart Marshal	D10N/10E-23G1	Tributary to Indian Creek	S	N.	ম	10N	102	ð	20 afa 0	Oct 1-May 31	Domestic, irrigetion and etockwatering	1-4244
13612	3/1/50	Elonar Fossati	UN-STI /NOTO	Dutch Mary Ravine	35	MS	4	101	311	g	0,033 cfe N	May 1-Sept 30	Irrigation	1-3842
13613	3/1/20	Stockton Box Company	DH4/13E-8M	Spruce Greek	MN	NS.	00	N ⁺ 77	13E	皇	0,1 cfe	June 1-Nov 1	Pire protection and industrial	1-4852
13616	2/6/50	Donald E. Little	1	Tributary to South Fork American Alver	Ä	M	59	NTI	391	ð	250 gpd /	Apr 1-Nev 1	Domeetic	L-3839
13622	3/9/50	United States El Dorado National Forest	ı	Aspen Creek	SE	SE	97	NTT	17E	ð	7 pd9 007 2,000 gpd	May 1-Nov 30 Dec 1-Apr 30	Domeetic, recreational and fire protection	1-6623
13629	3/10/50	Rudolph and Ora Niegel	D12N/BE-25A1	Tributary to Knickerbocker Greek	NE	Ä	25	12N	38	오	30 afa	Nov 1-May 1	Irrigation	1-6654
13632	3/14/50	Amador, El Dorado, Sacramento Cattlemen's Association	ı	Tributary to South Fork American River	Ä	Ä	*	NT.	13E	g	4,500 gpd J	June 1-Oct 31	Stockwatering	1-3843
13644	3/22/50	Fred G. Ostenrieder	D12N/10E-22N1	Manhatten Creek	MS	MS	23	12N	10E	9	110 afa 0	Oct 1-Apr 30	Irrigation and domestic	P-8219
13653	3/21/50	United States El Dorado Netional Forest	1	Bryant Creek	Ä	MS	15	NTI	17E	ð	pd8 007*7	June 1-Oct 1	Domeetic and fire protection	1-6630
13663	3/30/50	Nick J. Schubin	DIJN/9E-36FI	Tributary to Weber Greek	35	Ä	۶	ā	अ	Ą	150 afa 0	Oct 1-June 1	Domestic and irrigation	P-8222
13752	5/23/50	Raymond W. and Ada M. Berg	1	Weber Creek	SE	MM	7.7	TON	10E	Ą	7,200 gpd A	Apr 1-Oct 1	Irrigation	1-4756
13766	5/31/50	Melba and Kenneth W. Trombridge	D11N/9E-742	Tributary to South Fork American River	SE	SE	7	NT	98	Ð	15 afa N	Nov 1-Apr 30	Stockwatering and irrigetion	1-5825
13829	1/5/50	John C. Lagomarsino, et al	1	Spring tributary to South Fork American Niver	SE	MS SM	8	NT.	16E	ē	200 gpd A	Apr 1-Nov 15	Domestic	1-4092
13971	6/52/50	George M. and Isabelle D. Volt	DIIN/11E-3382 DIIN/11E-3381 DIIN/10E-33A1	Tributary to South Fork American River Tributary to South Fork American River Tributary to South Fork American River	SE	BBB	222	ĒĒĒ	223	999	55 afa 44 afa 11 afa	Oct 10-May 1 Oct 10-May 1 Oct 10-May 1	Irrigation, domestic and recreational	P-8391
										1	1	-		

L - Indicates linense number of right confirmed.

* P - Indicates parmit number of application approved.

APPLICATIONS TO APPROPRIATE WATER IN AMERICAN RIVER HYDROGRAPHIC UNIT TABLE C-I (Continued)

Status P-11318 1-4696 1-5323 1-4369 1-4221 1-4112 1-4113 1-4964 1-4126 1-4127 1-5229 1-4382 1-4713 1-4798 1-5587 1-5139 P-9291 1-4533 1-4878 1-4376 P-8641 1-6653 1-4865 1-5962 P-9744 1-6282 Domestic and fire protection Irrigation and stockwatering Irrigation and eteckwatering grud Domestic and fire protection Domestic and fire protection Domestic and stockwatering Irrigation and recreational Domestic, recreational and fire protection Domestic and stockwetering Domestic and stockwatering Domestic, recreetlonal and Domestic, recreational and fish culture Domestic and etockwatering Irrigation, recreational stockwatering Irrigation, domestic and and Irrigation and domestic Irrigation, domestic Purposs stockwatering Stockwatering Mecreational Irrigation Irrigation Domestic Domestic Domestic Domestic Jan 1-Dec 31 Jan 1-Dec 31 June 1-Nov 1 12 May 1-Nov 15 May 1-Oct 31 May 1-Nov 30 Oct 1-June 1 Jan 1-Dec 31 May 15-Nov 1 Oct 1-Apr 30 Jan 1-Dec 31 Mar 1-Nov 1 Nov 1-Apr 1 May 1-Nov 1 May 1-Nov 1 Jan 1-Dec 31 Apr 1-Nov 1 Apr 1-0ct 31 Dct 1-Mar 31 Nov 1-May 1 Jan 1-Dec 31 Oct 15-Hay 1 May 1-Oct 31 Oct 1-July 1 May 1-Nov 15 May 1-Nov 15 May 1-0ct 1 Apr 1-Nov 1 1-Nov May 0.125 cfe 1 200 gpd 200 gpd PG B pdg 3,750 gpd 350 gpd 100 afa 250 gpd 0.07 cfs ES PG8 14.3 afa afa 300,000 afa 10,000 gpd 8pd 2,250 gpd 22 afa 3.03 efe 0.08 cfs 2,925 gpd 10 afa 0,1 cfe 1,800 gpd 90 afa 3.0 ofs Amount 980 8 8 8 55 15 B. 6 M 욧 g 욧 욧 夂 Ð 貝 ð 욧 見 덪 ð 旦 旦 夂 Ð ð ð Ð 욧 貝 Ð 見 Ð 旦 身 9 Location of Point of Diversion œ 13E 7 14E 8E HE Ë 13E 7 11. 12E 10E 띯 17E 9E 9E 17E 16E 17E 12E 8 15E 10E 10E Œ 11E 15E 17E (Filed with State Water Rights Board as of October 1, 1963) ۵ 15N 15N TON Ľ IDN Ä 12N 15N F 15N 15N 13N Ē 12N E F I.N 100 12N 11.8 108 NOT TON 10N ILN 16N 7 Sec. 9 8 33 77 18 8 6 8 7 9 Ä 8 15 25 88 7 7 77 38 6 2 74 SE 2 SE 띺 SE SE SE Ä 빚 圣 SE SE SE SE SE SE 3 SE K SE Z M SE N Z SE ~ Sot 30 SE SE SE 邕 Z 벌 SE Z SE NE SE SE SE SE 3 ₹ SW N SE 30 SE SE SE Spring tributery to South Fork American River Spring tributary to Strawberry Creek Spring tributary to Tamarack Greek Spring tributary to Bryan Creek Spring tributary to 81g Canyon Tributary to Nangtown Creek Silver Fork American Aiver Tributary to Clipper Greek Silver Creek South Fork American Hiver Source Tributary to Waber Creek Elliott Meedow Spring Elliott Ranch Spring Knickerbocker Canyon Knickerbooker Creek Chicken Hawk Spring Secret Nouse Spring Cold Springe Creek Dirty Face Ravine Big Canyon Creek Orchard Spring American River Preeman Creek Rocky Canyon Bear Spring Weber Creek Weber Creek Aspen Creek Bull Creek DWR Diversion Number DICK 10E-11C1 D11N/15E-28P1 DISN/LLE-9LL D12N/8E-24J1 DL2N/8E-25B1 D10N/12E-101 DION/7E-24GI DL1N/9E-36F1 DL3N/9E-9GL 1 î Silver Fork Improvement Club, Harold N. and Lora C. Hixson United States Tahoe National United States Tahoe National United States Tahoe National United States Tahes National United States Tahoe National United States Tahoe National Sacramento Municipal Utility District Charles E. and Sasha Kroner Guy G. and George W. Foulke Charlee R, and Gertrude M. Cuddy L. J. and E. Selle Esper Our Lady of the Oake, A California Corporation United States El Dorado National Porest United States El Dorado Netlonal Forest United States Bureau of Reclamation United States El Dorado National Forest Owns Sudolph and Ors Niegel William G. Meegher I. Akin, et al Arthur D. Goodwin Stanley W. Slehop Present Carol L. March Valerie Goodman Nick J. Schubin Robert L. Lung dax H. Hoseit Poreet 10/13/50 12/11/21 12/1/50 1/25/51 15/61/2 3/14/51 3/11/51 19/11/01 4/25/52 7/10/52 8/12/52 3/11/51 3/11/51 3/27/51 15/02/7 15/12/9 5/28/51 1/21/2 3/29/51 19/8/01 1/21/52 1/29/52 3/11/52 3/14/51 3/14/51 5/5/52 Piled 15/7/6 Application Number 14452 14138 14198 14370 14963 14086 14165 14193 14194 14195 14196 14197 14,207 1,229 14.263 14409 14662 13994 14377 14463 14515 14518 14603 14651 14,708 14.778 76277 14,902

Pending - Indicates application complets but not yet appro-Inc. - Indicates application not yet complete.

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Salt Creek

D12N/8E-13R1

William J. and Auth E. White

9/23/52

15028

. P - Indicates permit number of application approved.

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88 LEE 12E

Oct 1-June 1

Irrigation and recreational

P-10705 1-5878

Power

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APPLICATIONS TO APPROPRIATE WATER IN AMERICAN RIVER HYDROGRAPHIC UNIT TABLE C-I (Continued)

(Filed with State Water Righte Board as af October 1, 1963)

Application	Dofe	Present Owner	DWR Diversion		ے ا	Location of Point of Diversion	Politic	of Dive	rsion		Period	d	*
Number	0		req wan		4,	4	Sec.	Ę	R. 8.8 M.	Amount	Diversion	- Labour	Signo
15035	9/26/52	State of California Division of Highways	ı	Spring tributary to South Fork American River	NE	MM	18 1	NT.	18E MD	5,000 gpd	Jan 1-Dec 31	Domestic and fire protection	L-5043
15066	10/28/52	Morton S. and Marie Martin	ŀ	Spring tributary to New York Canyon	图	SE	3	15N 1	13E ND	pd8 008	June 1-Nov 1	Domestic	P-10539
15067	10/28/52	Morton S. and Marie Martin	ł	Spring tributary to New York Canyon	SW	NE	3 1	15N 1	13E ND	pd9 009	Jan 1-Dec 31	Domestic	P-10540
15170	12/24/52	Otto Schaefer	1	Spring tributary to South Pork American River	MN	NE	1.8	n n	17E 14D	7,200 gpd	Jan 1-Dec 31	Domestic	P-9467
15210	2/25/53	Jewel E. Prench and Mary E. Westerfield	ı	Audrain Spring	MS	MS		NTT I	17E ND	12,500 gpd	Jan 1-Dec 31	Domestic	P-9552
15234	3/12/53	H. E. West, DBA Placerville Lumber Company	1	Spring tributary to Long Canyon	NE NE	NS.	25 1	NTT T	12E MD	0,1 cfs	Jan 1-Dec 31	Domestic and industrial	I~4,860
15252	3/54/53	Euell Y. Gray	D10N/9E-25D1	Kelley Creek	NW	MM	25 1	TON	9E MD	15 afa	Nov 1-May 1	Irrigation	P-9538
15346	5/18/53	Stanley W. Bishop	1	Spring tributary to Tamarack Greek	SE	SE	9	NT.	17E MD	1,000 gpd	Jan 1-Dec 31	Irrigation and stockwatering	О7796-а
15351	5/19/53	John J. Couperus	1	Tamarack Greek	NS.	SE	9 1	NT.	17E MD	pd9 007	June 1-Nov 1	Domestic	I-5669
15438	1/29/53	Marilyn Martin Woffman	1	Tributary to Cliff Canyon	NS.	NE	9	15N L	13E ND	30 cfs	Jan 1-Dec 31	Mining	P-10337
15489	8/27/53	Nerbert H. and Betty E. Bernd	DION/12E-801	Spring tributary to China Greek	SE	SE	88	1 NOT	12E MD	0.5 cfs D.5 cfs	Jan 1-Dec 31 Jan 1-Dec 31	Irrigation, domestic and stockwatering	P-9698
15490	8/31/53	United States El Dorado National Forest	D12N/16E-26M	Smith Lake	NM	SW	26 1	12N 1	16E MD	55 afa	Dec 1-July 1	Recreational	7-4996
15492	8/31/53	United States El Dorado National Forest	D12N/16E-24D1	Clyde Lake	MN.	W.	<u>-</u> څ	12N 1	16E MD	54 afa	Dec 1-July 1	decreational	I-4997
15493	8/31/53	United States El Dorado National Forest	D12N/17E-32N1	· Toem Lake	SW	NS N	32 1	12W 1	17E MD	30 afa	Dec 1-July 1	Recreational	I-4998
15494	8/31/53	United States El Dorado National Forest	D12N/16E-32G1	Wrights Lake	MS	ă.	32 1	12M 1	16E MD	160 afa	Dec 1-July 1	Recreational	6667-1
15495	8/31/53	United States El Dorado National Forest	D12N/17E-32P1	Ropi Lake	SE	NS.	32 1	12N 1	17E 14D	80 afa	Dec 1-July 1	Wecreational	1-5000
15496	8/31/53	United States El Dorado National Forest	DLZN/16E-3GI	Lois Lake	MS	Æ	3	12N	16E MD	85.4 afa	Dec 1-July 1	recreational	1-5001
15497	8/31/53	United States El Dorado National Forest	D13N/16E-33J1	Lake Schmidell	S.	SE	33	13N 1	16E MD	203.6 afa	Dec 1-July 1	Recreational	I5002
15498	8/31/53	United States El Dorado National Forest	D12N/16E-35B1	Lyons Lake	MN	S.	35 1	12N 1	16E MD	40 afa	Dec 1-July 1	decreational	I~5003
15499	8/31/53	United States El Dorado National Forest	D13N/16E-6E1	Buck Island Lake	NE	AS:	9	13N 1	16E 1/D	110 afa	Dec 1-July 1	idecreational	1-6199
15500	8/31/53	United States El Dorado National Porest	D12N/16E-9D1	Lawrence Lake	NM	NW	9.	12N 1	16E MD	38 afa	Dec 1-July 1	decreational	T~500/t
15501	8/31/53	United States El Dorado National Forest	1	Spider Lake	SE	NE	34.	LLN 1	15E 1/0	190 afa	Dec 1-July 1	Recreational	I6058
15503	8/31/53	United States El Dorado National Forest	D12N/16E-8H1	Barrett Lake	SW	NA.	9 1	12N T	16E MD	30 afa	Dec 1-July 1	Recreational	1~5005
15506	8/31/53	United States El Dorado National Forest	D13N/16E-36A1	Middle Velma Lake	NE	E E	36 1	13N 1	16E MD	148.4 afa	Dec 1-July 1	Mecreational	I-5006
15509	8/31/53	United Stetes El Dorado National Forest	D10N/18E-34E1	Winnemucca Lake	NS.	MM	34	TON T	18E MD	160 afa	Nov 1-July 1	Recreational	1-6025
15512	8/31/53	United States El Dorado National Porest	D12N/16E-23M	Island Lake	M.S.	N.	ر 2	12N	16E MD	60 afa	Dec 1-July 1	Mecreational	1-5011
15513	8/31/53	United States El Dorado National Forest	D12N/16E-22FL	Upper Twin Lake	SE	SE	22 1	12N 1	16E 12D	21 sfa	Dec 1-July 1	Necreational	L-4985

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APPLICATIONS TO APPROPRIATE WATER IN TABLE C-1 (Continued)

(Filed with State Water Righte Board as af Octaber 1, 1963) AMERICAN RIVER HYDROGRAPHIC UNIT

Secretary Secr						_								
15 15 15 15 15 15 15 15	Dote Present Owner Div		WR Div	araion	9	Lo	cation o	f Point		alon		Pariod		•
Signature			Number		Source	4/4		-		ać i		Diversion	Purpose	Stotus
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	8/31/53 United States El Dorado DIZM/16E-22QI	Jorado	D12N/16E-22Q1		Lower Twin Lake							_	Recreational	1-5164
Secondary Seco	9/2/53 Brian B. and Emma Mae Mughes DLAN/10E-31Q1 C	D14N/10E-3101		01	Owl Creek Tributary to Owl Creek	ž ž					0.63 efe 0.63 efe		Irrigation and atockwatering	P-10016
Secondary Seco	Laverne I. Shamberger	ı	— — — — —	Bul	Bull Greek						200 gpc		Domestic	L-5155
See See See See See See See See See Se	11/23/53 United States El Dorado D13N/16E-6Kl Rock National Forest	D13N/16E-6R1		Rock	Rockbound Lake					—	JB 0777		Mecreational	1-6200
River Greek SW SW 14 10K 92 NO 0.01, cfs Apr 1-0ct Irrigation and descents SW SW SW SW 11M 10K NO 0.072 cfs Apr 1-0ct Irrigation and stockwarding SW SW SW SW SW SW SW S	11/57/53 Ernest K. and Juanita DllM/17E-9Kl Tam	DIIN/17E-9K1	_	Tan	Tamarack Flat Creek						0,04 cft	Jan 1-Dec	Domestic and fire protection	P-10214
River SW SW 18 118 118 100 101 cfs 407 1-041 1 1716pston	12/4/53 William Edmunds and William C Spri Keating, Jr.	1	Spri	Spri	Spring tributary to Weber Creek						300 @		Mining and domestic	1-5156
River Sir Sir 23 113 135 ND 0.72 cfs My 1-My 1 Irrigation and stockwatering Sir Mile Mil	12/28/53 Robert C. and Fay Spence DILN/10E-18N1 South	DILN/10E-18N1		Sout	South Pork American River						.014 cfe	_	Irrigation	1-6523
Buyine Wilson W	1/28/54 State of California DilN/15E-23N1 South	Game D11N/15E-23N1		South	Fork American Hiver						0.72 cfz		Fish culture	1-5998
Charles N. C. N. C. Charles N. C. Ch	3/18/54 Charles M. and Gail Muskavitch Dl2N/8E-34Dl East	D12N/8E-34D1		East	Branch Morman Ravine						0.25 eft	Apr 1-Nov 1	Irrigation	P-9915
HE SE 21 11N 9E MD 0.37 cfe MY 1-0477 1 18 18 120 120 120 18 18 18 18 18 18 18 1	3/30/54 Joe and Lillian Vicini DILN/95-16Q Tributary DILN/95-16Q2 Tributary	D11N/9E-16Q1 D11N/9E-16Q2		Tribut	to South Fork American						15 afe	Nov		P-9984
Sign	DIJN/9E-21A1 Burnt			Burnt	Shanty Creek						0.37 cfg	May Nov		
SW NW 19 12E ND 6.25 cfb Jan 1-Dec 31 Mining and milling and milli	6/18/54 Ora N. Goodwin Spring	1		Spring	tributary to Big Canyon				_		pd8 009	Jan 1-Dec 31	Domestic	1-5630
NE SE 20 11N 10E ND 200 End Jan 1-Dec 31 Domestic	6/25/54 E. W. Little Whaler	1	Whaler	Whaler	Creek						0.01 cfe	Jan		P-10229
NE SE 20 11N 10E FD 7,200 Epd Apr 1—0ct 1 Irrigation	6/25/54 E. W. Little Whaler Creek	1	- Whaler	Whaler (reek				_		6.25 cfs	Jan 1-Dec 31	Power	P-11037
11	6/29/54 Blanche A. and George A. — Chuck Havine Ambrose	1		Chuck Re	vine							Jan 1-Dec 31	Domestic	1-4984
SE NE 10 11N 17E FD 500 gpd Mar 1-Nov 1 Dozmestic and Fire protection NW SE 28 11N 10E FD 3,000 grd Jan 1-Dec 31 Irrigation, dozmestic and Fire protection Tanarack Creek SE SE 9 11N 17E FD 2,000 grd Jan 1-Dec 31 Irrigation, dozmestic and Fire protection SE NW 4 12N 12E FD 5 675 Nov 1-Aug 1 Irrigation, dozmestic and Firek NW NW NW 1, 12N 12E FD 5 675 Nov 1-Aug 1 Irrigation, dozmestic and Firek NW NW NW 1, 12N 12E FD 5 675 Nov 1-Aug 1 Irrigation, dozmestic and Firek NW SW 13 13N 13E FD 1 675 13N 13D	7/26/54 Emms Devie Papini	1	South F	South F	ork American Alver						7,200 gpd	Apr 1-0ct 1	Irrigation	782-1
Pork American Aiver NW SE 28 11N 10E ND 3,000 grd Jan 1-Dec 31 Irrigation Tambrack Creek SE SE 9 11N 17E ND 2,000 grd Jan 1-Dec 31 Irrigation, domestic and stockwatering se NW MW MW LA 12N 12E ND 5 cre Nov 1-Aug 1 Irrigation, domestic and stockwatering se NW SW 13 13N 12E ND 5 cre Nov 1-Aug 1 Irrigation, domestic and stockwatering se SE 23 13N 11E ND 1 cre SE SW 23 13N 11E ND 1 cre SE SW 23 13N 11E ND 1 cre SE SW 23 13N 11E ND 2	8/19/54 Albert and Mazel Talkin Bryson	1		Bryson	Creek						500 gpd		Domestic	1-5263
SW SE 9 11M 17E MD 3,000 grd Jan 1-Dec 31 Irrigation, domestic and fire protection	9/8/54 Charles W. and Lorraine R. OllN/10E-ZBA Tributa	011N/106-28n1		Tributa	ny to South Fork American Aiver						.016 cfs		Irrigation	1-5822
Tamarack Creek SE SE 9 11N 17E ND 2,000 gpd Jan 1-Dec 31 Irrigation, domestic and stockwatering series NW 4 12N 12E ND 5 cfs Nov 1-Aug 1 Irrigation, domestic and stockwatering series NW 5 13N 12E ND 5 cfs Nov 1-Aug 1 Irrigation, domestic and creek NW 5 131 13N 12E ND 1 cfs series NW 5 131 13N 12E ND 1 cfs series NW 5 131 13N 11E ND 1 cfs series NW 5 131 13N 11E ND 1 cfs series NW 5 131 13N 11E ND 1 cfs series NW 5 131 11E ND 1 cfs series NW 6 13N 11E ND 2 cfs series SW 6 13N	9/20/54 Francie G. and Grace Noel	;		Tamarac	k Greek						3,000 gpd	Jan 1-Dec 31	Domestic and fire protection	P-10217
SE NW	11/4/54 Stanley W. Bishop Spring	1		Spring	3						2,000 gpd			P-10244
SH SE 22 13N 11E ND 2 cfs SE NW 26 13N 11E ND 2 cfs SE NW 26 12N 11E ND 2 cfs SU SW 26 12N 11E ND 1 cfs 1,000 gpd Nov L-Mar 31 Domestic and recreational 1,5 afa Su cheek SE NW 26 12N 10E ND 0.34 cfs May 1-Nor 1 Irrigation Jan 1-Dec 31 Stockwatering	1/17/55 Georgetoon Divide Pablic Plot Co Utility District Proper Company Property Company Comp	111111111		Pilot Ca Bacon Ca Deep Car Tributar Tributar Tributar Tributar Tributar	veek unyan yon Plot Greek y to Plot Greek y to Plot Greek y to Plot Greek ter Greek ter Greek						9999999999		Irrigation, domestic and stockwatering	P-11304
Penobscot Greek SW 12 12N 9E ND 1,000 gpd Nov 1-Mar 31 Domestic and recreational 15 afa 15 are SE NW 26 12N 10E ND 0.34 cfs May 1-Nov 1 Irrigation Stockwatering				Second Second First (Otter Greek Otter Greek Ater Greek Ater Greek									
Traverse Greek SE NW 26 12N 10E ND 0.34 cfs Nay 1-Nov 1 Irrigation Stockwatering	2/10/55 Robert J. and Evelyn L. Ottow Tributary	1		Tribut							1,000 gpd		Domestic and recreational	P-101 <i>87</i>
	4/6/55 Donald P. and Dorothea K Tribut	Derothea K		Tribut							0.34 cfs	May 1-Nov 1 Jan 1-Dec 31	Irrigation Stockwatering	P-10250
										_				

C-35

TABLE C-I (Continued)

APPLICATIONS TO APPROPRIATE WATER IN

AMERICAN RIVER HYDROGRAPHIC UNIT

(Filed with State Water Rights Board as of Octaber 1, 1963)

		Storoe	P-10290	P-10257	P-10258	F009-1	P-11079	L-5837	P-10278	P-10508	1-6167	1-5531		I-5980	P-104,32	P-11362	P-10581	P-11306	P-10621	P-10507	P-10910	P-10691	P-10764	1-6146	1-6551	P-11013	17-6211	P-10868	P-10885	
	d	***************************************	Irrigation, recreational and stockwatering	Irrigation and etockwatering	Irrigation and domestic	Domestic	Irrigation and domestic	Domestic	Irrigation, domestic and other miscellaneous uses	Irrigation and fiah cultura	Irrigation	Domestic and fire protection		Irrigation	Irrigation	Mining and domestic	Mining and domeetic	Irrigation and domestic atockwatering	Irrigation and domestic	Irrigation, domestic and stockwatering	Irrigation, recreational and stockwatering	Irrigation and stockwatering	Domestic	Domestic and fire protection	Domestic	Irrigation and stockwatering	Mecreational	Irrigation	Irrigation, recreational and stockwatering	I want don't don't do
	Period	Diversion	Nov 1-June 15	Mar 1-Nov 1 Jan 1-Dec 31	Mar 1-Nov 1 Jan 1-Dec 31	July 1-Sept 1 July 1-Sept 1	Jan 1-Dec 31	June 1-Oct 15	Apr 1-Nev 30	Mar 1-Nov 30	May 1-0ct 31	Mar 1-Dec 1	Mar 1-Dec 1	Apr 1-July 1 Nov 1-June 30	June 1-Dec 1	Jan 1-Dec 31	Jan 1-Dec 31	Nov 1-Aug 1	May 1-Nov 30	Apr 1-0ct 30	Nov 1-Apr 1	Oct 1-May 31	May 1-Oct 31	Jan 1-Dec 31	Jan 1-Dec 31	Nov 15-Mar 31	May 1-Nov 1 Sept 1-May 1	May 1-0ct 31	Sept 1-May 15	May 1-Nov 30
	Amount		300 afa	0.25 cfe 3 afa	0.75 cfs	350 gpd 2,150 gpd	0,063 cfe	225 gpd	1.3 cfe	0,50 cfa	2,900 gpd	250 gpd	250 gpd	6,500 gpd 0,64 afa	11,600 gpd	8J0 07	l ofa	30 cfs 4,000 afa	0.025 cfa	l ofs	15 afa	l afa	250 gpd	1,000 gpd	550 gpd	100 afa	3,000 gpd 0.18 afa	0.13 cfa	35 afa	0
		B. 6 M.	Q.	Ð	Ð	99	ð	ФM	Ð	9	Ð	ð	Ð	Ð	Ð	ð	ð	Q.	Ð	Ð	ð	Q.	Ð	ð	Q.	ð	Ð	百百	Ð	
Constant of Bolts of Disease	Olver 810	œ	10E	36	36	16E 16E	10E	17E	128	8E	36	377	a†1	311	9E	125	12E	13E	HE	Э6	10E	TE	14E	36	10E	9.6	12E	9E 9E	9E	
la of	5	٩	NOT	E	NTI	10N 10N	NT	NTT	N9T	12N	N [†] 71	NT.	ñ	NOT	NTT	15N	N [†] 77	12N	16N	NT.	NOT	NOT	Ē	13N	NT.	N [†] N	NT.	13N 13N	1, LN	-
100	2	Sec.	18	22	23		88	16	%	&	ส	25.	25	я	16	35	্ব	97	٦	я	33	73	23	70	ವ	77	35	323	27	
offere		74	N.	2	E	44	SE	SE	NE	SE	SE	SE	SE	MS.	SW	NE	MN	Ä	呂	¥	NE	NA	NE	SE	SE	M	M	SE	NE	-
		4/	SE SE	SE	AS:	Pot	MS	¥	Ä	N.	SE	W	NE	SE	SW	SE	SE	SE	SE	NE	NE	SE	SE	Ä	NS.	SW	MS.	NE NE	MS.	5
	Socios		Indian Creek	Burnt Shanty Greek	Tributary to Burnt Shanty Greek	Tributary to Cody Lake Cody Lake	Tunnel tributary to Devils Canyon	Springe tributary to South Fork American	Tributary to North Fork American River	Tributary to North Fork American River	Tributary to North Fork American River	Tributary to South Fork American giver	Tributary to South Fork American diver	Tributary to Weber Greek	South Fork American Aiver	Grouse Creek	Big Mosquito Greek	Onion Greek	Fulda Spring	South Fork American Hiver	Tributary to Slate Greek	Tributary to Weber Creek	Spring tributary to South Fork American Niver	Tributary to Clipper Greek	Spring tributary to South Fork American	Bunch Canyon	Spring tributary to lowa Canyon	American Canyon American Canyon	Tributary to Burnt Shanty Creek	
	DWR Diversion	18000	OLON/LOE-18CL	1	1	1	I	1	016N/12E-26C1	1	1	1	1	:	ı	D15N/12E-35G1	1	1	1	١	D10N/10E-33A1	1	ı	ı	1	1	T	D13N/9E-35J1	ı	
	Present Owner		Jack W. and Marcelle Greene	Pearley A. Monroe, Estate of	Pearley A. Monroe, Estate of	Golden Empire Council BSA Troop No. 1	Harry and Wilhelmine Mosei	Jack A. and Mary A. Baker	Donly Gray	Edward C. Zorn	Albert V. and Mary Campbell	United States El Dorado National Forest		Garland D. and Shirley Pray	Joe and Lillian Vicini	W. E. Wilson	Irls Colvin	Georgetown Divide Public Utility District	United States Tahoa National Forest	Archie and Raymond E. Lawyer	William C. Fredericks	Julia Louise Safford	A. E., Sr., A. E., Jr., and N. R. Travis	William J. and Beulah M. Swift	George and Aileen G. Norstmyer	R. W. and Elsie W. Enderlin	Karl R. and Minnia O. Tobener	R. L. Gordon and Dorotea Swanson	Pearley A. Monroa	Indt of States School Notices
	Piled		5/10/55	5/16/55	5/16/55	6/2/55	1/29/55	8/9/55	8/11/55	8/18/55	8/23/55	8/31/55		9/12/55	9/111/55	9/22/55	10/10/55	10/24/55	10/26/55	1/20/56	2/8/56	2/14/56	3/15/56	95/6/4	95/007/5	95/62/5	95/1/9	7/31/56	8/3/56	10/2/56
	Application		16368	16377	16378	16402	16490	16508	16517	16532	16544	16564		16594	16600	16618	19991	16688	16991	16837	16885	16891	16945	16997	17085	17108	17109	17203	17207	10201

L - Indicates license number of right confirmed.

* P - Indicates permit number of application approved.

• P - Indicates parmit number of application approved. L - Indicates license number of right confirmed.

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TABLE C-I (Confinued)	APPLICATIONS TO APPROPRIATE WATER IN	AMERICAN RIVER HYDROGRAPHIC UNIT	Filed with State Water Rights Baard as of October 1, 1963)
	AP		(Filed

	•	Stotus	P-10953	P-10922	1-5824	P-10898	1-6893	1-6810	1-6586	P-11104	1-6179	P-11265	P-11280	L-6183	1-6935	P-11627	P-11628	Inc.	Inc.	Inc.	Inc.	Inc.	Inc.	Inc.	Inc.	Inc.	Inc.	
		Purpose	Domestic and industriel	Industrial	Mining	Irrigation, recreational and atockwatering	Irrigation, recreational, stockwatering and fish culture	recreational	Irrigation and recreational	Domestic and other miecellaneous usee	Domestic	Domestic, recreational and fire protection	Domestic	Domestic	Domestic	Domestic	Irra gation and fish culture	Irrigation, domestic and other miscellaneous uses	Power	Irrigation, domestic snd other miscellaneous uses	Poder	Irrigation, domestic and other miscellaneous uses	Power	Irrication, domestic and other miscellaneous uses	Power	Irrigation, domestic and other miscellaneous uses	Manicipal and industrial	
	Period	Diversion	Jan 1-Dec 31	Jan 1-Dec 31	Jan 1-Dec 31	Sept 15-May 19	Oct 15-June 1	Nov 1-Apr 30	Oct 1-May 31	Nov 1-May 31	Jan 1-Dec 31	Jan 1-Dec 31	May 1-Oct 31	Jan 1-Dec 31	May 1-Nov 1	Jan 1-Dec 31	Sept 15-Apr 1	Jan 1-Dec 31	Jam 1-Dec 31	Jan 1-Dec 31	Jan 1-Dec 31	Jan 1-Dec 31	Jan 1-Dec 31	Jan 1-Dec 31	Jan 1-Dec 31	Jan 1-Dec 31	Jan 1-Dec 31	
-		Amount	0.2 cfe	0.027 cfe	0,027 cfs	19 afa	49.3 afa	20 afa	0.05 cfs 19 afa	eje O7	300 gpd	15,000 gpd	10,000 gpd	pd8 00*	300 gpd	10,000 gpd	6 afa	300 cfs 70,000 afs	195 cfs 70,000 afe	195 cfs 30,000 afa	195 cfe 30,000 afa	400 cfs	400 cfs 31,000 afa	100 cfs	100 cfs	500 cfs 75,000 afa	10,000 afe	
		B. 9 M	Ð	ð	ИD	ð	ð	MD	ē	₽	Ð	ā	Ð	B	Ð	QV Q	Q.	QV.	ð	ð	Q.	ð	ð	ð	Ð	ð	Ð	
63)	of Diversion	œ	12E	9E	9E	36	36	9E	98	9E	10E	18E	J.L.E	10E	17E	17E	377	16E	16E	15E	15E	ILE	14.5	15E	15E	12E	14.5	
October I, 1963)		Tp.	NTI	12N	12N	NTT	NTT	NTT	128	12N	15N	NTT	13N	151	NTI	NOT	NOT	TON	NOT	100	10N	NTI	NTI	NTT	ā	NII	Ē	
tober	of Point	Sec.	25	9	9	35	35	22	77	18	33	18	8	32	۷	88	হ	8	ล	00	60	8	97	35	35	19	35	
0	Location	74	MS	SW	MS.	NE	MS.	NE.	AS.	M	MN	NE	MS	SE	SE	NE	MN							NW	MN	Ä	SE	
90 P		74	NE	NE	NE	MN	NE NE	S S	MN	AN.	MM	N.	300	MS	SE	SE	MM										811	
(Filed with State Water Righte Baard as of		Source	Spring tributary to Long Canyon	Middle Fork American River	Middle Fork American River	Tributary to Weber Greek	Tributary to Meber Greek	Brushy Creek	Tributary to Penobecot Greek	Warner Ravine	Spring tributary to Indian Greek	Hawley Spring	Gerle Creek	Spring tributary to Indian Greek	Rocky Canyon	Spring tributary to Silver Fork American River	. Tributary to Weber Greek	Silver Fork American Hiver	Silver Fork American River	Alder Creek	Alder Greek	South Fork American River	South Fork American River	South Fork American River	South Pork American Haver	South Pork American River		
	DWR Diversion	Number	L12E-25L/NLIG	D12N/9E-601	DJ-36/NZ IQ	D11N/9E-35B1	OIIN/9E-35L1	D14N/9E-27H1	!	1	1	1	ı	1	1	ı	1	1	ı	1	1	1	1	1	1	1	1	
	0	_	N. E. West, DBA Plecerville Lumber Company	Diamond Springe Lime Company	Diamond Springs Lime Company	Walter N. and Marjorie Kurtz	Hector Williamson	Edward B. and Theress C. Markovich	Robert J. and Evelyn L. Ottow	Jeesie J. Crowder and Carl C. Davie	Russell M. and Lucile A. Perry	United States El Doredo National Forest	United States El Dorado National Forest	L. F. McAllieter	United States El Dorado National Porest	United States El Dorado National Forest	Norris E. and Lucille A. Winkelman	Celifornia Water Commission	California Water Commission	Californis Water Commission	Californis Water Commission	California Water Commission	California Water Commission	California Water Commission	Californie Weter Commission	California Water Commission	California Water Commission	
	Date	Filed	11/16/56	11/23/56	11/23/56	12/7/56	12/11/56	12/21/56	2/1/27	2/1/57	2/8/57	3/18/57	3/22/57	4/23/57	10/11/57	3/3/58	3/11/58	3/27/58	3/27/58	3/27/58	3/27/58	3/27/58	3/27/58	3/27/58	3/27/58	3/21/58	3/21/28	
	Application	Number	17357	17370	17371	17382	17398	17411	17447	17448	17461	17517	17521	17562	17846	18022	18053	18063	19064	18065	18066	18067	18068	18069	18070	14091	18072	

TABLE C-1 (Continued)

APPLICATIONS TO APPROPRIATE WATER IN

AMERICAN RIVER HYDROGRAPHIC UNIT

(Filed with State Water Rights Board as af October 1, 1963)

	Stotue	P-13855				P-13856	P-13857			P-13858	P-11572	1-6767	P-11606	P-11643	P-11644	1-6484	I6789	P-12706	P-11657	P-13583		1-6615	P-11778
	ຶ້	7.				<u> 1</u>	7			7	7	j.	7	1.	7	7		7	_	P.1		3	P-1
1	Purpose	Power and recrestional				Irrigation, domestic and other miscellaneous uses	Power and recreational			Irrigstion, domestic and other miscellaneous uses	Domestic and recreational	Irrigation	Irrigstion and fish culture	Irrigation	Irrigation	Domestic	Irrigation, stockwatering and fire protection	Domestic, recreational and stockwatering	Irrigation and stockwatering	Irrigation and domestic		Domsetic	Domestic and stockwatering
Period	Diversion	Nov 1-July 1			Jan 1-Dec 31 Nov 1-July 1		Nov 1-July 1			Nov 1-July 1	Jan 1-Dec 31	Oct 1-Mar 31	Oct 15-Apr 15	Nov 1-Apr 30	May 1-0ct 30 Nov 1-Apr 30	Jan 1-Dec 31	Nov 1-May 1	Jan 1-Dec 31	Dec 1-June 30 May 1-Sept 1	Nov 1-May 1		Jan 1-Dec 31	Jan 1-Dec 31
	Amount	150 cfe	290 cfs 290 cfs 290 afa	675 cfs	1,000 efe 100 efe 1,000 efs 1,225 efs 6,300 efs	1,225 cfs 25,000 afa 95,000 afa 129,000 afa	50 efs 110 efs	10,000 ara 155 efs	13,000 afa 7,000 afa 705 cfs	800 cfs 10,000 afa 36,000 afa 13,000 afa 7,000 afs	0.12 cfs	6 afa	98 afa	0.22 cfs 105 afa	0.18 cfs 25 afa	pd2 007	36 afa	0.05 cfs	10 afa 8,000 gpd	12,5 cfe	12.5 cfe 12.5 cfe 12.5 cfe 12.5 cfe 12.5 cfe 12.5 cfe 12.5 cfe	350 gpd	5,000 gpd
	B. B. M.	Ø	Ð	Ð	5555	2999	20	B	999	99999	Ð	Ð	Ð	Ø.	多百	WD.	Æ	ð	名名	Æ	9999999	ð	Ð
Location of Point of Diversion	R.	13E	13E	14E	13E 12E 12E	8E 13E 13E	13E 13E	14E	13E 13E 10E	8E 13E 13E 13E	12E	10E	12E	ILE	1111	IIE	10E	9E	8E 8E	HE	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	IIE	ILE
nt of D	Tp.	USI	15N	N41	12N	12N 15N 15N	15N 15N	NTT	12N	LEN LEN	12N	NTT	NTT	NOT	NOT	NTI.	12N	13N	10N 10N	J.	EFFEFF	NT.	100
of Po	Sec.	772	36	16	ನನ£್	ಬಳಕಾ	3.6	16	ನನ [್]	22233	7	7	32	п	##	32	28	77.	র্ম	2	837788 83738	R	£
ocation	1/4	MS	NE	SE	NE NE NE	SW NE SE	SW	SE	SW SW	SE SE SE SW	NE	NW	SE	MS	NE NE	SE	NE	MN	SE	MS	NW SE SW	NE	NE
_	1/4	NW	NW	SW	SW NW NW NW	NE NW NW	NA NA	SW	NS NA SW	NE SE SE	MS	NE	SE	NW	NE SW	NE	NW	NE	NE SW	SE	SE S	SW	SE
Ü	e sunos	Duncan Canyon	Middle Fork American River	Aubicon Aiver	South Fork Long Canyon North Fook Long Caryon Middla Pork American Hiver Middle Fork American River	North Pork American diver Diddie Fork American Niver Ribicon diver	Duncan Canyon Middle Fork American River	Hiver	South Fork Long Canyon North Fork Long Canyon Middls Fork American Kiver	North Pork American River Middle Pork American River Ribicon River South Fork Long Canyon North Pork Long Canyon	Spring tributary to Wheler Creek	Tributary to Traverse Creek	Creek	eber Greek	Spring tributary to Weber Greek Tributary to Weber Greek	Tunnel tributary to White Mock Creek		Springs tributary to Middle Fork American Miver	Green Spring Greek Spring tributary to New York Greek	ek	nyon ; Greek ; reek ryon y Canyon	Spring tributary to South Fork American	sk
DWR Diversion				ă	South North Midd	North Duncan Middle Rubico	Duncan Middle	Mubicon Miver	South Fo	North Fork Middle For Rubicon Ri South Fork North Fork	Spring tril	Tributary to	Brush Canyon Creek	Tributary to Weber Greek		Tunnel tribut	Coloma Canyon	Springs tribu	Green Spring Creek Spring tributary to	Brimstone Creek	Shirttail Canyon Cottage Home Greek Mill Greek Temperance Greek Kent Greek Blackhawk Canyon Second Brushy Canyon First Brushy Canyon	Spring bribu	China Cresk
	Number	1	1	- Aut	South North	North Duncan Middle	Duncan Hiddle	Hubicon	South Fo	North Fork Middle Fork Middle Fork Middle Fork Mubicon Rd South Fork North Fork North Fork	Spring tril	Tributary to	Brush Canyon	DION/11E-11C1 Tributary to W	DlOW/11E-11C2 Spring tributa OLON/11E-11C1 Tributary to W	Tunnel tribut	OlzW/10E-28B1 Coloma Canyon	Springs tribu	Green Spring	Brimstone Cre	Shirthail G. Cottage Hom. Mill Greek Temperance C. Tempera	Spring bribe	China Cres
Present Owner		Placer County Water Agency	1					_										Western States Trail Hide, - Springs tribu				Manly P. and Elsie H. Bishop - Spring bribe tiver	Melvin F. and Mary J China Cres
	-	4/7/58 Placer County Water Agency -	1			1111	1.1	_		11111	1	1	1	DION/11E-11C1	DION/11E-11C2 01ON/11E-11C1	ı	012N/105-2881	t	11	1		1	1

APPLICATIONS TO APPROPRIATE WATER IN
AMERICAN RIVER HYDROGRAPHIC UNIT

(Filed with Stote Water Rights Baard as of October 1, 1963)

Application	Pate		W.R. Diversion			Location of Point	of Poin	o to	of Diversion			Period		
Number	Filed	Present Owner	Number	Source	1/4	1/4	Sec.	Tp.	œ	B. 9 M.	Amount	Diversion	Purpose	Statue
18363	10/7/58	Francis M. Elliot	ı	Slat Greek	Æ	SE	23	12N	NOT	£	0.15 cfs N	Nov 1-May 1	Irrigation, domestic and stockwatering	P-11791
18,00	11/6/58	Kenneth G. Cotton	ſ	South Fork American River	35	NW	16	NT.	17E	Ð	10,000 gpd N	Nov 1-Apr 30	Domestic	P-11994
18465	1/9/59	La Verne I. Shamberger	1	Spring tributary to South Pork American Hiver	SW	SE	\$	NII	JAE	Ð	200 gpd M	May 5-Nov 15	Domestic	1-6817
18485	1/21/59	N. Jon and H. Adelle Nelson	ı	China Cresk	MM	SE	13	NOI	311	ð	2,750 gpd J	Jan 1-Dec 31	Irrigation and domestic	P-12089
184.87	1/23/29	Ralph K. and Cassie Wilkins	1	Spring tributary to Mangtown Creek	N	S	17	NOT	311	<u>e</u>	12,500 gpd J	Jan 1-Dec 31	Irrigation, domestic and other miscellaneous uses	P-11695
18512	1/29/59	Al and Myrle J. Rumpel	OLZW/LIE-18PI	Tributary to Sear Creek	SE	AS.	18	128	311	ð	0,075 cfs J 25 afa N	Jan 1-Dec 31 Nov 15-May 15	Mecreational and fish culture	P-12002
18515	2/3/59	Stanley W. Bishop	ı	Springs tributery to South Fork American River	SE	SE	6	Ä	17E	Ð	0.04 efs J	Jan 1-Dec 31	Irrigation and domestic	P-13834
18541	2/19/59	J. R. Modgeon	- Lot attynym	Tributary to Elue Canyon Creek	EN EN	W. F	٦,	N97	311	9 9	0,13 efs J	Jan 1-Dec 31 Nov 1-May 15	Irrigation and domestic	P-12027
			DI6N/ILE_ICI	Blue Canyon Creek	귈	3		NoT			afa afa	1-Dec 1-May		
18551	12 m/29	Foresthill Public Utility District	1	Mill Greek	N	NA NA	17	J4N	311	Ð	1 cfs J	Jan 1-Dec 31	Municipal	P-13584
18559	5/56/59	O. P. Kausseff	1	Tributary to South Fork American Adver	S.	N.	35	NT.	13E	<u>Q</u>	8,000 gpd	Jan 1-Dec 31	Domestic and fire protection	P-12063
18566	3/4/59	Donald P. and Emily H. Dassonville	[]]	Spring tributary to Slate River Spring tributary to Slats Creek Tributary to Slate Creek	SES	E E E	32 32	NO1 NO1 NO1	10E 10E	999	180 gpd 180 gpd 0.9 afa	Jan 1-Dec 31 Nov 1-May 15	<pre>lrrigation, recreational, stockWatering and fish culture</pre>	1-6634
18572	3/6/59	Mark Hayden	{111	Springs tributary to Tennessee Greek Springs tributary to Tennessee Greek Spring tributary to Tennessee Greek Tennesses Greek	SE	NA SE SE SE	33	NO 10N 10N	10E 9E 9E 10E	9999	7,000 gpd 7,000 gpd 7,000 gpd 15 afa	Jan 1-Dec 31 Dec 1-May 1	Domestic, recreational and stockwatering	P-11930
18579	3/6/26	Sam and Maria Virga	ı	Mormon Ravine	MN	NE	33	128	38 38	g g	0.25 cfs M	May 1-Oct 15 Oct 15-May 1	Irrigation	P-11931
18590	3/12/59	Stockton Box Company	014N-10E-3501 014N-10E-34A1	Devils Canyon Cresk	NE	NE	×	NAL	10E	Ð.	0.89 cfs J 18.1 sfa D	Jan 1-Dec 31 Dec 1-June 1	Industrial and domestic	P-13585
18657	1/27/2	James J. and Marjorie P. Price	1	Tributary to Nangtown Greek	SE	MN	17	NOT	311	ę.	8,000 gpd	Apr 15-Oct 15	Irrigation and domestic	I-6495
18658	4/57/29	Harold N. and Elsie M. Engler	ı	Spring tributary to Mangtown Creek	NS.	NE	17	NOT	ILE	₽	175 gpd J	Jan 1-Dec 31	Domestic	1-6624
18684	4/30/29	Brisn 8, and homes Nughes	1	Spring tributary to Owl Creek	SE	NE	32	NT	10E	MD	8,000 gpd	Jan 1-Dec 31	Irrigation and domestic	P-12034
18685	4/30/59	Barnard P. and Melsn A. Wohlenbarg	11	Spring tributary to Jayhawk Greek Spring tributary to White Oak Graek	SW	MS.	15	10N 10N	36	99	2,000 gpd J	Jan 1-Dec 31	Domestic and stockwatering	P-12083
18721	65/02/5	United States Bureau of Reclamation	1	North Pork American River	NE	NW	82	12N	E	<u></u>	100 cfs N	Nov 1-July 1	Irrigation and domestic	Pending
18722	65/02/5	United States Bureau of Reclamation	ı	North Fork American River	NE.	MN.	92	12N	38	<u> </u>	100 cfs N 800,000 afa	Nov 1-July 1	Municipal and other miscellaneous uses	Pending
18723	65/002/5	United States Bureau of Reclamation	1	North Fork American River	NE	MN	%	12N	36 36	<u>-</u>	6,300 cfs N	Nov 1-July 1	Power and other miscellaneous uses	Pending
18759	6/3/26	Philip E. Nartwick	1.1	Brushy Canyon Brushy Canyon	SE	NA MA	22	NII	12E	99	0.25 cfs A 0.25 cfs A 49 afa D	Apr 1-Oct 1 Apr 1-Oct 1 Dec 1-Apr 1	Irrigation	P-12130
18807	6/11/9	Harold J. Smith	1	South Fork American River	NE	NE	18	ă	17E	g.	200 gpd N	Nov 15-Apr 1	Domestic	1-6790
18929	8/20/28	Christian Churches of N. California and W. Nevada	11	Spring tributary to El Dorado Canyon Spring tributary to Poor Mans Canyon	NE NW	SE	22	N Tr	an an	88	0,22 cfs J	Jan 1-Dec 31	Domestic and recreational	P-12275
18930	8/20/28	Christian Churches of N. California and W. Nevada	ţ	Springs tributary to Volcano Canyon	NE	NE	16	N-77	118	<u>9</u>	0.11 cfs J	Jan 1-Dec 31	Domestic and recreational	P-12276
				7	Indicates and testion pot					Pandlan	Toddooppe	and test ton one	and a fact and and an analysis and	

APPLICATIONS TO APPROPRIATE WATER IN
AMERICAN RIVER HYDROGRAPHIC UNIT
(Filed with Stote Woter Rights Board os of October 1, 1963)

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Application	Date	Present Owner	DWR Diversion	Source		Location	Location at Paint at Diversion	5	vereion		Amount	Pariod	Purpose	Stotue
					4	1/4	Sec.	Tp.	œ	9.9 ™	-	Diversion		
18943	8/56/59	Placer County Water Agency	1	West Branch El Dorado Canyon	NE	SE	ম	15N	311	£		Jan 1-Dec 31	Irrigation, domestic and	Inc.
			1	Volcano Canyon	M	SE	3,4	15N	377	£	1,775 ara	1	atockwatering	ì
			ı	McBride Creak	SE	SE	7	14N	11E	Q.	19 cfs			
			1	Tributary to Brinstone Creek	WN	NE	77	NT	11E	Ð	19 cfs			
			ı	Tributary to Sellier Creek	NE	SE	33	15N	11E	9	19 66	1		I
			-	Sellier Greek	MS	NE	33	15N	IIE	Q.	355 ara 19 cre	1		
			1	Mountain Chief Greek	NE	E.	33	15N	HE	Ð	19 efe			
			ı	Sugar Pine Canyon	NM	SE	28	15N	11E	Ð	19 cfs			
			1	Pagge Creek	SE	SE	zi	15N	115	9	030 ara			
			1	Forbes Creek	SE	N	R	15N	11E	Ð	5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5			
			1	Tributary to Forbes Creek	NE	SE	17	15N	113	Ð	4,590 ara		1	
			1	North Shirttail Canyon	MN	SE	ನ	15N	10E	ð	30 efe 9,750 afa		1	-
18944	8/26/59	Placer County Water Agency	1	West Branch El Dorado Canyon	NE	SE	23	15N	ıιε	Ð.		Jan 1-Dec 31	Municipal	Inc.
			1	Volceno Canyon	NN	SE	*	15N	IIE	Ð	o cfe	ij		
			1	McBride Greek	SE	SE	77	N77	HE	ě	552 are 6 cfs			
		j	1	Tributary to Brimstone Creek	WM	NE	7	N77	IIE	Ð	o cfs			
			1	Tributary to Sellier Creek	NE	SE	33	15N	JIE	Ð	6 of 8			
			1	Sellier Creek	MS.	NE	33	15N	HE	ð	6 cfe			
	ı	ì	1	Mountain Chief Greek	NE	NE	33	15N	JIE .	5	too and		ž	1
			1	Sugar Pina Canyon	M	SE	28	15N	11E	<u>9</u>	6 66			
		1	ı	Pagge Greek	SE	SE	ಸ	15N	UE	ð	6 cfe	11		
			1	Forbes Greek	SE	E	8	15N	TE	Œ.	1/2 ala 5 cfe			
		1	1	Tributary to Forbes Greek	NE	SE	17	15N	ILE	Ð	4 cfa	ı	į	
			1	North Shirttail Canyon	MM	SE	7.7	15N	10E	ð	1,005 ata 10 cfs 3,250 afa	Ñ		1
18955	65/1/6	Nobert D. and Lorine B. Rolfe	I	Johnstown Creek	NE	NE	33	12N	10E	Ð	era ara	Jan 1-Dec 31 Now 1-June 1	Irrigation, domestic and stockwatering	P-12217
18969	65/11/6	Frank Wickham and Fay hupley Gunby	1	Granite Greek	SE	EN E	7,7	NTT	9E	Ð	35 afa Nov	Nov 15-Apr 1	Irrigation and recreetional	P-12290
19015	10/5/59	Irvin A. Schultz	ı	Harricka Ravine	SE	NA	7	NT.	TE	ð	0.63 cfe Jan	Jan 1-Dec 31	Domestle and mining	P-12316
19034	10/16/59	Christian Churches of N. California and W. Nevada	1	Valcano Creek	MN	MS	15	NTT	11E	Ð	0.25 cfs Jan	Jan l-Dec 31	Domestic, recreationel and fire protection	P-12277
19092	11/23/59	R. F. and Marie N. Bell	1	Tributary to Coloma Canyon	M	NE	28	12N	10E	₽	0.037 cfs May	May 1-Nov 1	Irrigation	P-12498
19114	12/2/59	Nelle M. and Claude D. Lewis, Estate of	ı	Onion Greek	M	SE	16	12N	13E	2	1,800 gpd May	May 1-Nov 15	Domestic and fire protection	P-12541
19119	12/3/59	Stephen P. Williams, et al	1	Tributary to Dry Greek	NN	AS.	19	NOT	105	£	47.5 afe Nov	Nov 1-June 1	Irrigation, domestic, recreational and stockwatering	P-12388
19125	12/B/59	William H. and Vivian L. 30xell	11	Spring tributary to Dry Greek, Tributary to Dry Greek	MS MS	M W	สส	NOT	10E	요요	0.2 cfs Jan 0.2 cfs 1 afa	Jan 1-Dec 31	Irrigation, domestic, recreational, stockwatering and fiel culture	P-12391
				100 The Section 1		-	9							

C-40

APPLICATIONS TO APPROPRIATE WATER IN TABLE C-! (Confinued)

(Filed with State Woter Rights Baard as of October I, 1963) AMERICAN RIVER HYDROGRAPHIC UNIT

							-						
Application	Date	Present Owner	DWR Diversion		Lot	Location of Point of Diversion	Point o	Oivers	ion	-	Period		-
Number	D. II.		Number	eg.noc	75	1/4 Se	Sec. Tp.	. A.	B. 8 M.	Amount	Diversion	Purpose	Stotue
19251	2/23/60	Gene and Lizzie Brewer	11	Tributary to Coloma Canyon Tributary to Coloma Canyon	NW	NE 2	20 12N 20 12N	N 10E	88	l afa Oct	Oct 1-June 1	Irrigetion and other miscellaneous uses	P-12434
19300	3/11/60	A. C. and Dorie M. Van Deventer	ı	Spring tributary to South Fork American Alver	- M	NA 3	32 11N	13E	9	2,000 gpd Jan	Jan 1-Dec 31	Domestic and recreational	P-12592
19328	3/28/60	Fred and Vivian D. Secker	1	Ofter Creek	NN I	NW 2	23 13N	311	W W	0.4 cfs Dec	Dec 1-Apr 15	Mecrestional and fish culture	P-12673
19352	17/17/90	Rutherford N. and Vers T. Lesher	ı	Big Cenyon	N.W.	NW 3	36 LLIN	105	모	0.05 cfs Jan	Jan 1-Dec 31	Irrigation and domestic	P-12760
19392	1/26/60	Morton W. and Julienne M. Robinson	1	Spring tributary to North Pork American	MS	SE	NOT 7	125	Ð	0.13 efs Jan	Jan 1-Dec 31	Irrigation and domestic	P-13781
19396	17/53/60	William F. and Petricia G. St. Cleir	1	South Fork American River	NE	NE 2	NLL 82	1 15E	2	300 gpd Jan	Jan 1-Dec 31	Domestic	P-12564
194.25	09/9/5	Pearley A. Monroe, Estete of	ı	Burnt Shanty Creek	NE S	SE 2	NTT 22	36	Q.	35 afa Sept	Sept 15-May 15	lrrigetion, recreational and stockwatering	P-13341
19433	8/11/60	Orin L. and Mary J. Gill	1	Spring tributary to Weber Greek	SW	NE 2	77 TON	1 11E	Ð	0,025 cfs Jan	Jan 1-Dec 31	Irrigation and domestic	P-12710
19447	2/54/60	Otto and Irene I. Wunschel	1	Indian Greek	NS.	SE	12 10N	98	ð	0.25 cfs May	May 1-Oct 1	Irrigation and stockwatering	P-12745
19514	6/30/60	Ralph L. and Dorothy M. Clark	ı	Tributary to Greenwood Creek	NM S	Siv	7 12N	10E	Ð	25,1 afa Oct	Oct 1-June 1	Irrigation	P-12715
19537	1/12/60	Stete of California, Division of Highways	1	Mock Canyon	ES.	SE Z	MII Z	15E	ð	2,900 gpd Jan	Jan 1-Dec 31	Domestic and fire protection	P-12868
19544	7/13/60	United States El Dorado National Forest	ı	Jerrys Canyon Spring	NE S	SE I	12 13N	125	ð	2,880 gpd May	May 1-Nov 30	Domestic and etockwatering	P-1280B
19546	1/13/60	United States El Dorado National Forest	1	Chipmunk Aidge Spring	75	NW 13	3 17th	13E	ð	4,000 gpd May	May 1-Nov 30	Domestic and stockwatering	P-12810
19547	7/13/60	United States El Dorado Netional Forest	ı	Lynchburg Spring	W.S.	NW 10	0 13N	12E	g	4,000 gpd Hay	May 1-Nov 30	Domestic and stockwatering	P-12811
19548	7/13/60	United States El Dorado National Forest	ı	Bear Springs	SS SS	SE 35	2 17th	13E	Ð	7,000 gpd May	May 1-Nov 30 [Domestic and stockwatering	P-12812
19549	1/13/60	United States El Dorado	ı	Desert Cold Spring	MS SW	AS:	2 13N	13E	ð	4,000 gpd Nay	May 1-Nov 30	Domestic and stockwatering	P-12813
19569	7/22/60	Christian Churches of N. California and W. Nevada	I	Spring tributary to Poor Mans Canyon	E E	NW 22	2 14N	11.5	£	0.067 efs Jan	Jan 1-Dec 31	Domestic and recreational	P-13982
19632	1/29/60	Henry, William and Azalsa M. Milo	1	Sear Creek	N. M.	NW 20	0 12N	TIE	MD	0.25 cfe Peb	Peb 1-July 1	Irrigation, domestic and stockwatering	P-13774
19754	09/12/60	Robert J. and Evelyn Ottow	1	Spring tributary to Penobecot Greek	N MS	NW 12	2 12N	98	Q	7,600 gpd Jan	Jan 1-Dec 31 5	Domestic and stockwatering	P-13040
19764	09/06/6	Carmelits Andre	1	Mosquito Creek	SE	NE 22	I IIN	11E	Q.	19 afa Nov	Nov 1-May 1	Irrigation and recreational	P-12790
19790	10/3/60	L. C. and Lillian M. Petersen	1	Tributary to Weber Creek		NE 23	3 10N	10E	Q.	0.038 cfs Mar	Mar 15-Nov 15 I	Irrigation	P-12962
19792	10/4/60	California Water Commission	1	Mlot Greek	SE	SE	7 12N	13E	Ð	5,000 afa Jan	Jan 1-Dec 31 I	Irrigation, domestic and stockwatering	Inc.
19793	10/4/60	California Water Commission	1	Mutton Greek	N NN	NA.	9 122N	12E	Q.	3,000 afa Jan	Jan 1-Dec 31 I	Irrigation, domestic and stockwatering	lnc.
19794	10/1/60	California Water Commission	ı	Rock Greek	03	MS.	3 12N	UE	9	25 cfs Jan 6,500 afa	1-Dec 31	Irrigation, domestic and stockwatering	Inc.
19795	10/1/60	California Water Commission	1	Rock Canyon Creek	S. S.	±S.	7 128	11E	Q.	10 cfe Jen 1,600 afa	Jen 1-Dec 31 I	Irrigation, domestic and stockwatering	Inc.
				The second secon		1							
				The state of the state of									
P - Indicates	- count mush	an of a real feet for accommodal	Indiant or 16cmm	number of right confirmed. Too India	Cates annit	an do the	- walk c	unglette.	Pendi	Todenates and	taston comple	the second of the second of the second	

C-41

Inc. - Indicates application not yet complete. Pending - Indicates application complete but not yet approved.

* P - Indicates permit number of application approved. L - Indicates license number of right confirmed.

APPLICATIONS TO APPROPRIATE WATER IN AMERICAN RIVER HYDROGRAPHIC UNIT (Filed with Stote Woter Rights Board ee of October 1, 1963) TABLE C-! (Continued)

	1					Lecetion of	15 E	7	Diversion		å	Deriod		
Number	Filed	Present Owner	DWR Diversion	Source			3	1 4		d	Amount	of Gereion	Purpose	Status
					4	4	0.80	اٰۃ	ž	ž Ď		1018.10		
70501	10/1/20	to be a second of the second o		San and San an	- G	FUX	33	Mer	30.5	9	0 600 at 100 0		1	1
			1	Mutton Canyon		Ħ.	\ . .	128	321	9	afa	\	ring	
			1 1	Tributary to Filot Creek	SE	E E	32	138	125	5 5 -	5,000 afa			
			!	;	SE	SE	۲, کار	13N	12E	9 9	5,000 afa	_		
			11	Injourary to Filot Greek	SW	W.	0 • 0	128	128	9 9	5,000 afa			
			1 1	Tributary to Pilot Greek	SW	SW	2 %	13N	12E	₽ ⊊	5,000 afa			
			1	Pilot	E S) N	32,2	NE S	133	9	5,000 afa			
			1 1	Otter	S S	3 8	ຈສ	35	111	5 5	5,000 afa			
			1	Tributary to Otter Creek	MM.	E E	56	13N	11E	5 8	5,000 afa			
			1	19120	12.0	a S	07	1	1	2	2,000 at &			
19797	10/1/60	California Water Commission	1	Traverse Creek		SW	~	NII	371	Ð	30 cfe Jan 1-Dec	31	Irrigetion, domestic and	Inc.
			1	Johntown Creek		SW	23	12N	10E	Ð	30 cfa		SCOCKWALCT LIS	
			1	Greenwood Creak		35.0	18	128	10E	Ð	20 cfs			
19825	10/24/60	Charles L. and Hilda E. Carroll	ı	Spring tributary to Traverse Creek	SE	SS	ત્ર	12N	10E		4,275 gpd Jan 1-Dec	т т	Domestic	P-12971
19826	10/24/60	dobert V. Neilsen	1	Springs tributary to South Fork American Aiver	A:S:	SE	19	NTT	158	<u>9</u>	0,05g cfs Jan 1-	1-Dec 31	Irrigation and domestic	P-12972
19850	11/21/60	Margaret Lahiff, et al	11	Sugar Loaf Creek Silver Fork American River	NW SW	SE	28 28	ž ž	15E	99	0.094 cfs Jan 1-Dec 0.094 cfs	33	Domestic	P-13243
19872	12/9/60	Stockton Box Company	1	Spring tributary to Middle Fork American Aiver	SE	MS	3%	15N	13E	Ð	14,400 gpd May 1-	1-Dec 1	Domestic and industrial	P-13025
19880	12/16/60	J. R. Bancroft and W. W. Stean	1	Kelly Creek	MS	NE	%	NLT	12E	Ð	2.99 cfs Nov 1- 152 afa Dec 15	Nov 1-Aug 1 Dec 15-June 15	Irrigation, domestic and recreational	P-13228
19900	12/30/60	Jerry and Lois Brown	1	Weber Creek	WM	MM	6	10N	10E	Q.	498 afa Nov 1-Apr	٦.	Recreational and fish culture	P-13002
19922	1/11/61	Edgar and Frances North	1	Tributary to Srushy Canyon	SE	SE	33	T.	12E	Ð	0.17 cfs Jan 1-	1-Dec 31	Irrigation and domestic	P-13052
19943	1/31/61	L. J. and Shirley M. Lorang	1	81ack Rock Creek	NE	N.S.	7	NTI	38	Ð	0.5 cfs Jan 1-	1-June 30	Irrigation, domestic and stockwatering	P-13983
19975	2/8/61	Moscoe O. Cook, et al	111	Tributary to lowa Canyon Tributary to lowa Canyon Tributary to lowa Canyon	SE	NA NA NA	222	EEE	12E 12E 12E	모모모	0.04 efs Jan 1- 1.5 afa Nov 1- 5 afa Nov 1-	1-Dec 31 1-Apr 30 1-Apr 30	Irrigation, domestic, recreational and fish culture	P-13230
19976	2/8/61	Alice F. Lyon and M. J. Sickels	1	Alice Creek	N E	SW	ਸ	NTT	17.6	Q.	0.048 cfs Nov 1-	1-May 15	Domestic and fire protection	P-13244
19977	2/8/61	Morrill H. and Margaret A. Carlton	1111	North Fork American River Carlton Spring Carlton Spring	NE SW SW	NE SE NW	ក េត្ត	153N 153N 153N	95 98 98	9999	0.03 cfs 0.03 cfs 0.03 cfs 0.03 cfs	1-Dec 31	Domestic	P-13093
20011	2/28/61	L. J. and E. Belle Esper	:	Knickerbocker Creek	NE	SE	র	12N	SE.	Ð	22 afa Nov 1-Apr	-	Irrigation	P-13161
20019	3/6/61	Nuches Bros.	1	Cottage Nome Creek	NE	SW	9	J.L.N	अत	ð	0.077 cfs Jan 1-Dec	33	Industrial	P-13191
20048	3/24/61	C. R. and H. M. Woods	[]	Tributary to Ringold Creek Ringold Creek	N N	NA NA	22	NOT	311	99	0.07 efs Jan l- 0.07 efs	1-Dec 31	Irrigation and domestic	P-13105
20065	19/4//1	Tom M. and Eva E. Ault	1	Spring tributary to Bear Creek	SE	NE	30	12N	377	Đ	0.125 cfs Jan 1-June Nov 1-Dec 30	80	Irrigation, domestic and mining	P-13877
20074	4/10/61	Walter F. and Imogene Woodruff	1	Empira Creek	MM	SE	97	12N	10E	g g	8.67 afa Nov 1-	1-Apr 30 1	Irrigation, recreational and stockwatering	P-13432
20086	4/13/61	Josephine Schueller and Rolland Oliver	1	Tunnel tributary to Poor Mans Canyon	MS	W	22	LAN	11E	Ð	2,240 gpd Jan 1-	1-Dec 31 1	Domastic and stockwatering	P-13353
20256	19/8/9	Robert E. and Virginia R. Donaldson	1	White Rock Greek	SE	NE	32	NT.	377	Ð	0.057 cfs Jan 1-Dec	31	Irrigation, domestic and stockwatering	P-13189
							1		1	1	1			

(Filed with Stets Water Rights Beerd on of October 1, 1963) APPLICATIONS TO APPROPRIATE WATER IN AMERICAN RIVER HYDROGRAPHIC UNIT TABLE C-I (Continued)

SW 3 10N 10E SE 9 11N 17E NW 14 10N 10E SE 24 11N 16E NE 31 11N 12E NE 31 11N 12E SW 27 12N 10E SW 17 10N 9E NW 15 13N 11E SE 29 11N 14E NW 15 13N 11E	T T TON NOT THE NOT TH	a:	. O. O. M.	Amount of Oiversion	Purpose.	Stotus.
		\dashv	8. 8 M.	_		
200000000000000000000000000000000000000	NOT NOT NOT NOT	Ī	ļ			
4 4 4 4 4 4 4	NI NOI NII	105	Ð	14,450 gpd Jan 1-Dec 31	Domestic	P-13374
	I ION	17E	문	0.05 cfs Jan 1-Dec 31	1 Domestic	2-13972
	Ä	10E	ē	0.05 cfe Ray 1-June 30	Jurigation, domestic and stockwatering	P-13937
		16E	Ð	350 gpd Jan 1-Dec 31	Domestic	Inc.
	NTK	12E	9	0.5 cfs Jan 1-Dec 31	Irrigation end domestic	Pending
	NTT	12E	ĕ	0.5 efs Jan 1-Dec 31	Irrigation and domestic	Pending
	NTT	12E	ð	0.5 cfs Jan 1-Dec 31	Irrigation and domestic	Pending
	128	10E	Ð	0.025 efs Oct 1-July 1 4 afa Nov 1-May 1	Irrigation and domestic	P-13426
	10N	96	ē	0.25 cfs Jan 1-Dec 31	Irrigation, domestic and stockwatering	P-13397
	13N	118	MD	0.25 cfs Jan 1-Dec 31	Maing	P-13394
	TI.	74E	Ð	3,000 gpd Jan 1-Dec 31	Domestic	P-13427
	TON	7E	Ø.	100 cfs Nov 1-Mar 31	Nunicipal and other niscellaneous uses	Pending
NE 19	1.2N	102	Ð	400 gpd Jan 1-Dec 31	Domestic	P-13424
15. Z	13N	98	ΟM	0.063 efs Nov 1-July 1	Irrigation and domestic	P-13934
NW 32	17f N	14.E	Ð	50 efs Jan 1-Dec 31	Irrigation, domestic and stockwatering	Inc.
NE 22	NTT.	11E	Ð	700 gpd Jan 1-Dec 31 3 afa Jan 1-Apr 30	Donestic and stockwaterin;	P-13614
SW 3	NOT	10E	ē	0.024 cfs Nov 1-June 30 12 afa Nov 1-May 1	Irrigation, domestic and fish culture	P-13836
NW 25	TT I	IIE	MD	1,900 cfs Jan 1-Dec 31	70.er	P-13746
SE 29	ñ	14.E	ND ND	450 gpd Jan 1-Dec 31	1 Domestic	P-13567
SE 15	10N	IIE	Ð	45 afa Nov 1-Kar 31	Mecreational and fish culture	P-13757
SE 34	17N	14.E	ð	1,177 afa Oct 1-June 30	30 Municipal, recreational and fish culture	P-14248
33 33 33 33 33 33 33 33 33 33 33 33 33	1,2N 1,2N 1,2N	10E 10E	999	0.25 cfs Jan 1-Dec 31 0.25 cfs	lrigation and stockwatering	Pending
SE 1 SE 1 SW 1	10N 10N 10N	9E 9E 9E	9999	5.1 afa Nov 15-May 1 1.5 afa 1 afa 23.6 afa	Irrigation, stockwatering and fish culture	P-13629
SE 1	TON	95	9	7 afa Nov 15-May	Irrigation, stockwatering and fish culture	P-13630
NW 22	17°N	LIE	ð	0.45 efs Jan 1-Dec 3	Irricetion, domestic and stockwatering	P-13784
N.v 23	TEN	16E	ð	600 gpd Jan 1-Dec 3	Domestic	P-13789
SE 6	TON	16E	Ð	2,000 gpd Apr 1-Dec 3	1 Domestic	r-13795
		6 3 2 1 1	1 10N 1 22 14,N 1 23 11,N 1 2 6 1,0N 1 2	1 10N 9E 1 10N 9E 22 14N 11E 23 11N 16E 6 10N 16E	1 10N 9E ND 23.6 afa 1 10N 9E ND 7 afa Nov 15-May 22 14N 11E ND 0.45 cfa Jan 1-Dec 23 11N 16E ND 600 gpd Jan 1-Dec 6 10N 16E ND 2,000 gpd Apr 1-Dec	1 10N 9E MD 7 afa Nov 15-May 1 Irrigation, stockwatering and 7 afa Nov 15-May 1 Irrigation, stockwatering and 22 14N 11E MD 0.45 efs Jan 1-Dec 31 Irrigation, domestic end stockwatering 53 11N 16E MD 600 gpd Jan 1-Dec 31 Domestic 66 10N 16E MD 2,000 gpd Apr 1-Dec 31 Domestic

Inc. - Indicates application not yet complete. Panding - Indicates application complete but not yet approved.

L - Indicates license number of right confirmed.

* P - Indicates permit number of application approved.

C-43

APPLICATIONS TO APPROPRIATE WATER IN AMERICAN RIVER HYDROGRAPHIC UNIT (Filed with State Water Rights Board as of October 1, 1963)

	•		94	60	88	99	31	ارة الا	80	94		24	R														П				
		State	Pending	P-13803	P-13838	P-13966	P-14231	P-13791	Pending	Pending	Inc.	Pending	P-14220	Inc.	Inc.	Inc.	Inc.	Inc.	Inc.								Ш			_	
	d	-ncbose	Irrigation and dumestic	Irrigation and stockwatering	Irrigation, recreational and fish culture	Domestic, recreational and fire protection	Domestic	Irrigation, domestic and stockwatering	Domestic	Domestic	Irrigution, domestic and stockwatering	Irrigation and domestic	Irrigetion and fish culture	Domestic and recreational	Irrigation, recreational and stockwatering	Irrigation and domestic	rish culture	Domestic and fire protection	Domestic, irrigation and recreational					i	0	1	ľ				
	Pariod	Diversion	Jan 1-Dec 31	Oct 30-Hay 30	Nov 1-May 15	Jan 1-Dec 31	Jan 1-Dec 31	Oct 15-Mar 31	Jan 1-Dec 31	Jan 1-Dec 31	Jan 1-Dec 31	Mar 1-0ct 31		Jan 1-bec 31	Oct 1-Apr 30	Jan 1-0ec 31	Apr 1-Oct 31	Jan 1-Dec 31	Dec 15-June 15	0								(1)			
		Amount	0.12 cfs	25 afa	149.5 afa	4,300 gpd 5 afa	4,500 gpd	10 afa	2,500 gpd	2,500 gpd	0.027 cfs	16,000 gpd	19 afa	0.05 cfs	24, afe	pd3 000 °07	3.0 cfs	0.10 cfs	eJe 77								1				
	اء	B. 9 M.	OM.	Ø.	욮	Ð	MD	ð	QV	Ð	Ð	豆	9	9	ĕ	ð	ð	ð	Ð								13		1		
	Location of Point of Diversion	œ	10E	10E	9E	ne.	11E	9E	10E	10E	JIE.	10E	8E	14.5	105	36	15E	13E	12E							-		- 11		=	
	oint of	T TP	12N	N6	11.N	TON	ñ	NILL	15N	15N	NCT	NOT	12N	14.N	NOT	12N	NTT	15N	17N				_				1		Ш		
	ion of P	Ssc.	#	N	35	ដ	*	25	36	36	10	1	25	34	33	1	23	55	%								1	-	Н		
	Locot	4'	AS.	MN	SE	NE	N.	KN	NE	N.	SE	ig .	NE	NE	NE	NZ	NS	NS.	- N	-					-	-	-			- 30	- 1
-	[74	NEW	Ň	S	N.	155	38	NE	SE	E	ES.	N	NE	NN	SE	M.S.	NE	755	-	-	-	-	-	-		-	-		-	
	400000		Tributary to Empire Greek	Tributery to Slate Greek	Shenogle Greek	Tributary to Weber Greek	Spring tributary to South Fork American diver	Tributery to Granite Canyon	Spring tributary to Snail Canyon	Spring tributary to Shail Canyon	Wiley Spring	Weber Greek	Tributary to Knickerbocker Greek	Spring tributary to Gerle Greek	Tributary to Slate Greek	Tributary to American Canyon	South Fork American River	Soring tributary to Middle Fork American Biver	Kelly Greek												
	DWR Diversion	Number	1	1	1	ı	1	1	1	ł	1	1	1	1	į	1	1	1	1									Ò	,		
	Present Owner		Lawrence R. and Louise S. Tong	Walter J. and Nina 8. Smith	Hector and Carita Williamson	R. C. and Mollie Williams	Wickard H. and Mildred Steed	Leo E. and Dorothy M. Finneran	Helen Roudebush	G. W. Mercereau	Mabel Rainier	Thomas J. and b. Lorraine Forsyth	Andolph and Ora Niegel	Lawrence L. Cabodi, et al	William C. Fredericks	Georgia A. Gardner	State of California Department of Fish and Game	United States Tahoe National Forest	James M. Bancroft and William W. Steen									7			
	Oate		5/23/62	5/28/62	5/59/62	6/22/62	6/22/62	7/3/62	11/21/62	11/21/62	11/21/62	3/8/63	3/13/63	1/8/63	4/10/63	1/15/63	8/12/63	8/16/63	10/1/63									'n	1		
	Application	a Compa	20787	20795	20796	20827	20830	20840	21022	21023	21032	21185	21189	21225	21232	21395	274.28	21430	21480												
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APPENDIX D

DETAILED DESCRIPTIONS
OF
CERTAIN SURFACE WATER DIVERSIONS



DETAILED DESCRIPTIONS OF CERTAIN SURFACE WATER DIVERSIONS

TABLE OF CONTENTS

				Page
El Dorado	Irrigation District	•	•	D-5
	New Weber Ditch	•	•	D-7
	Sly Park-Camino Conduit	•	•	D-7
	Diamond Ditch	•	•	D-8
	Gold Hill Ditch	•	•	D-8
	Farmers Ditch	•	•	D-9
Georgetown	n Divide Public Utility District	•	•	D-9
	Loon Lake	•	•	D-11
	Gerle Creek Ditch and South Fork Ditch	•	•	D-11
	Georgetown Divide Ditch	•	•	D-12
Pacific Ga	as and Electric Company	•	•	D-12
South	Yuba and Bear Rivers Power System	•	•	D-15
	Drum Canal	•	•	D -1 5
	Lake Valley Canal	•	•	D-16
	South Canal	•	•	D-16
Place	er Water System	•	•	D-18
	Boardman Canal	•	•	D-18
	Towle Canal	•	•	D-20
	Pulp Mill Canal	•	•	D-20
	Colfax Pipeline	•	•	D-20
	Shirland Canal	•	•	D-21
	Gaylord Canal	•	•	D-21
	Monte Rio Pipe	•	•	D-21

TABLE OF CONTENTS (continued)

<u> P</u>	age
Pacific Gas and Electric Company (continued)	
South Fork American River System D	-21
El Dorado Ditch	-22
American River Flume D	-23
Upstream Reservoirs Releasing to South Fork	-23

APPENDIX D

DETAILED DESCRIPTIONS OF CERTAIN SURFACE WATER DIVERSIONS

This appendix presents additional data on surface water diversions by El Dorado Irrigation District, Georgetown Divide Public Utility District, and Pacific Gas and Electric Company which could not be described adequately in Table 6 of this report.

The points of diversion and the diversion ditch systems are delineated in detail on the various sheets of Plate 2.

El Dorado Irrigation District

With the discovery of gold in 1848, the demand for water soon resulted in the construction of many ditches by the miners in an effort to bring water from the snow fed streams to the gold-laden gravels. One of the larger undertakings was the construction of the South Fork and Placerville Canal in 1851, extending from Weber Creek to Coon Hollow, south of Placerville. In 1852 north of Camino, Iowa Canal conveyed water to Iowa Canyon and later was extended to Long Canyon. The most profitable of the early ditches constructed was Gold Hill Ditch. This canal extending from Placerville to Gold Hill was able to sell water over and over again to the miners in the same area.

In 1856 John Kirk of Placerville posted his first notice of appropriation claiming water of the South Fork American River. Surveys were made, damsites located, and by

1872 the first section of ditch started near Sportsman Hall. Due to a lack of capital, Kirk's plan to bring water to the Placerville area was never completed.

In 1873 the El Dorado Water and Deep Gravel Mining Company, through a series of purchases, obtained the rights and holdings of Kirk and certain other valuable lands in the In 1876 water from the South Fork American River was conveyed to the Placerville area. Over the years the property belonging to the El Dorado Water and Deep Gravel Mining Company has changed hands many times. In the early 1920's that section of the El Dorado Canal from the South Fork American River to the El Dorado Forebay was purchased by Western States Gas and Electric Company, a predecessor of the Pacific Gas and Electric Company. The Main Canal, including all associated ditch systems and properties below the El Dorado Forebay, was purchased by the El Dorado Water Company, predecessor of the El Dorado Water Corporation. In 1927 the El Dorado Water Corporation sold its properties to the El Dorado Irrigation District which had been organized in 1925. Between the South Fork American River diversion point (DllN/15E-29Ql) and the forebay, the conduit is known as the El Dorado Ditch, utilized by the Pacific Gas and Electric Company to transport water for hydroelectric power and for deliveries to the El Dorado Irrigation District.

From the El Dorado Forebay, the El Dorado Irrigation District's Main Canal travels along the ridge between the South Fork American River and Weber Creek to Smith Flat supplying the Sportsman Hall, Camino, and Smith Flat areas

enroute. North of Smith Flat the Negro Hill Ditch runs westward to the area north of Placerville where it serves the Luse Ditch. From Smith Flat the Main Canal runs southwest to a junction with the New Weber Ditch near Texas Hill. Here deliveries are made to the Placerville municipal reservoirs. From the reservoir area the Main Canal turns south crossing Weber Creek, joining the Diamond Ditch to supply the Missouri Flat and Farmers Ditches.

In addition to the El Dorado Irrigation District's Main Canal, there are four district diversions and one independant diversion, used conjunctively, which bring water supplies into the district. The following is a description of each diversion:

New Weber Ditch (DlON/12E-18Q1). Construction of Weber Reservoir on North Fork Weber Creek was started by the El Dorado Water Corporation in 1922. The triple arch dam had a design height of 110 feet. Beset by financial troubles, the corporation was unable to complete the project but put the partially completed dam, at a height of 89 feet, into operation in 1924. The present storage capacity is 1,275 acrefeet. Flows to the New Weber Ditch are released via a 24-inch diameter pipe through the north arch near the right abutment. The ditch follows approximately the 2,400-foot contour, north of Weber Creek Channel to the Cedar Ravine Road where it joins the El Dorado Irrigation District's Main Canal.

Sly Park-Camino Conduit (DlON/12E-14L1). Sly Park
Dam, which impounds Jenkinson Lake with a capacity of
41,033 acre-feet, was constructed in 1955 by the United States

Bureau of Reclamation as part of the Central Valley Project on Sly Park Creek in the Cosummes River Basin. It is an earth and rockfill dam 172 feet high and 760 feet long at the crest. Deliveries to the El Dorado Irrigation District are made through 5.6 miles of steel pipe and 0.5 mile of tunnel to the district's Main Canal just west of Camino. Deliveries of about 20,000 acre-feet are made annually. Water diverted through the Sly Park-Camino Conduit is reported as an import in Table 8.

Storage in Jenkinson Lake is supplemented by a small diversion from Camp Creek through the Camp Creek Tunnel to the reservoir. Camp Creek Diversion Dam is a concrete overflow weir type dam 20 feet high and 70 feet long at the crest. Flow is diverted through a 7.0-foot diameter concrete-lined tunnel 2,855 feet long.

Diamond Ditch (DlON/11E-19P1). Diamond Ditch is part of the Diamond Ditch System which has continuously appropriated and delivered water since 1852. The ditch diverts from Squaw Hollow Creek, a tributary of North Fork Cosumnes River, and imports to the El Dorado Irrigation District area southwest of Placerville through an open ditch and enters the unit east of Diamond Springs. The ditch then turns northwestward to join the district's Main Canal. About 1,700 acrefeet are diverted annually through the ditch.

Gold Hill Ditch (DlON/11E-7P1). The Gold Hill Ditch constructed in 1853 by the Gold Hill Canal Company, diverts the augmented flow of Hangtown Creek near the west edge of Placerville. From the diversion a concrete pipe connects to

a lined canal extending from Placerville to the Gold Hill area. This canal has helped in bringing about the development of one of the richest fruit-growing areas in the Sierra foothill region.

Farmers Ditch (D10N/11E-19F1). Farmers Ditch heads on Weber Creek above the bridge on the Diamond Springs road. This ditch was constructed by the American River Deep Gravel and Water Company in 1862. Originally known as the Missouri. Flat Ditch, it served landowners south of Weber Creek near Missouri Flat. After a series of different ownerships ending in a sheriff's sale, possession of the ditch went to a group of ranchers and came to be known as the Farmers Free Ditch. On April 1, 1930, an agreement was reached between the ranchers and El Dorado Irrigation District whereby the ranchers would purchase water at the district's prevailing rate during the irrigation season. The district maintains the ditch as part of its system and serves other users along the ditch. The original diversion right of 40 miner's inches was retained by the ranchers and is exercised during the nonirrigation period.

Georgetown Divide Public Utility District

The Georgetown Divide Public Utility District serves the area in the northwest portion of El Dorado County between the Middle Fork and South Fork American Rivers. The district was incorporated on June 11, 1946, under the Public Utility Act of 1921 and stemmed from the desire of the people in the area to obtain a more adequate water supply. The district comprises approximately 64,600 acres of foothill and

mountainous lands of which about 30,500 acres are classed as irrigable.

The Georgetown Divide Ditch System was originally constructed about 1852 through a concerted effort of three companies: Pilot and Rock Creek Company, New York and Ohio Water Company, and Pilot Creek Ditch Company. A succession of owners followed, until 1952 when the Georgetown Water Company sold the entire system to the Georgetown Divide Public Utility District.

The ditch system's first diversion was located on Pilot Creek, a tributary of the Rubicon River. Subsequent development took place during the period 1874 to 1883 with the construction of Loon Lake Dam and a canal which brought water from the Upper Rubicon River area into the Pilot Creek drainage. From Pilot Creek flows were rediverted into the Georgetown Divide Ditch.

At present water supplies in the upper basin area are obtained from storage at Loon Lake and by gravity diversions from Gerle Creek and South Fork Rubicon River. However, the upper basin facilities and rights to water have been sold to Sacramento Municipal Utility District. Consummation of this sale is contingent upon construction of Stumpy Meadows Dam and Reservoir on Pilot Creek. The regulated water from Stumpy Meadows Reservoir will supplant the waters now received from the upper basin. At this time, the transfer of rights to water in the upper basin to Sacramento Municipal Utility District will be completed and the facilities formerly

utilized by the Georgetown Divide Public Utility District will be abandoned.

Following is a description of each of the present diversions:

Loon Lake (D13N/15E-5H1). In the early 1870's the first storage was obtained at Loon Lake by construction of a small log crib dam. In 1881 and 1882 the California Water Company built the present masonry dam at Loon Lake, using funds obtained by a bond issue. Funds were depleted before completion of the dam, leaving it at a height of 26 feet. This height provided a storage capacity of about 8,000 acre-feet. Construction of the dam was from quarried blocks, hewed out of the massive granite formations of the upper basin. Some of these blocks weighed from 4 to 8 tons each. On the upstream face of the dam an earth fill was placed to prevent leakage through the masonry section of the dam.

In 1934 the Georgetown Divide Water Company increased the height of Loon Lake Dam to 28 feet, which increased the storage capacity of the lake to about 10,000 acre-feet. This was accomplished by using granite blocks which had been cut at the time that the original dam was built and left at one end of the dam when construction was terminated.

Gerle Creek (D13N/14E-15G1) and South Fork Ditch (D13N/14E-24B1). Both Gerle Creek Ditch diverting from Gerle Creek and the South Fork Ditch diverting from Little South Fork Rubicon River were constructed in the early 1870's by the California Water and Mining Company. Releases from

Loon Lake down the stream channel are diverted by Gerle Creek Diversion Dam to the Gerle Creek Ditch. South Fork Ditch, diverting from the South Fork Rubicon River, adds supplemental flow to Gerle Creek Ditch enroute to the Pilot Creek drainage.

Georgetown Divide Ditch (D12N/12E-12P1). Georgetown Divide Ditch, the main distribution canal for the Georgetown Divide Public Utility District, diverts from Pilot Creek, a tributary of the Rubicon River. From the Pilot Creek diversion the flow is conveyed about 26 miles to the city reservoir at Georgetown where distribution is made to major service laterals. From the distribution point near Georgetown, the Main Canal conveys smaller flows westward to terminate in the vicinity of Knickerbocker Creek.

Pacific Gas and Electric Company

The Pacific Gas and Electric Company was founded in October 1905. It was originally incorporated as a holding and operating company to take over California Gas and Electric Corporation and San Francisco Gas and Electric Company, both of which absorbed many other systems. Since its incorporation, continued acquisitions by mergers, lease agreements and outright purchases of both large and small generating and distributing concerns have combined to make Pacific Gas and Electric Company the largest public utility system in the world.

The first hydroelectric generating plant in Central California was built and put into operation on the American River by the Sacramento Electric Power and Light Company in 1895. In 1866 initial work was started by the Natomas Water

and Mining Company to supply power to the Folsom area. The project consisted of a diversion dam on the American River near Folsom, a canal and a generating plant which would return flows to the river. Only the diversion dam and part of the canal were completed by 1881 when the company reorganized as the Folsom Water Power Company. Construction progress again continued slowly until the power rights were leased by Sacramento Electric Power and Light Company, who built the power station and a 21.5 mile transmission line to Sacramento. The original equipment of this plant consisted of four 750 kilowatt generators with a potential of 11,000 volts. Power was delivered to Sacramento by this line on July 13, 1895. Ownership of the station and other project facilities was obtained by Sacramento Electric Gas and Railway Company in 1896, by California Gas and Electric Corporation in 1901, and finally by Pacific Gas and Electric Company in 1905.

Rivers, the South Yuba Water Company operated a ditch system which was built in the 1850's to supply portions of Placer and Nevada Counties with water for hydraulic mining. With the passage of the debris control legislation, most of the hydraulic mining stopped, and the company had to find a new market for its water. About 1895, when electric transmission became a reality, the Central California Electric Company was formed as a subsidiary of the South Yuba Water Company to develop the power sites within the system.

The first plant constructed by the Central California Electric Company, located at Newcastle, began to transmit

power to Sacramento on December 31, 1896. A second plant, located about a mile northeast of Auburn, began operation on October 3, 1898. A third plant, Alta Powerhouse, was put into commission on November 7, 1902. Today, only Alta Powerhouse with reduced generating capacity remains in commission.

In 1893 the South Yuba Water Company expanded its facilities by construction of the Boardman Canal which provided needed irrigation service along the ridge between the Bear and American Rivers. At present the Boardman Canal and its associated works comprise several connected canals and numerous distribution laterals.

Through acquisition of the South Yuba Water Company in 1910, the Pacific Gas and Electric Company came into possession of what are now the South Yuba and Bear Rivers Power System and the Placer Water System.

The American River Electric Company, organized in 1903, constructed the American River Powerhouse to supply power to the Stockton area and local distribution points enroute. This plant is located on the South Fork American River northeast of Placerville and is the oldest of the American River Basin powerplants now in operation. In November 1910 the Western States Gas and Electric Company was incorporated to acquire and operate the properties of the American River Electric Company.

In the early 1920's the El Dorado Powerhouse was constructed on the South Fork American River northwest of Pollock Pines. This plant and the El Dorado Ditch were operated by Western States Gas and Electric Company. These

facilities were acquired by Pacific Gas and Electric Company with their purchase of Western States Gas and Electric Company in 1927.

South Yuba and Bear Rivers Power System

Water is imported to and exported from the American River Hydrographic Unit by the South Yuba and Bear Rivers

Power System and Placer Water System complexes of the Pacific Gas and Electric Company. The principal sources of supply to these systems are the upstream storage facilities of the Drum Division of Pacific Gas and Electric Company on the South Yuba River.

In addition to water diverted and stored by Pacific Gas and Electric Company, water developed by Nevada Irrigation District is routed through the South Yuba and Bear Rivers Power System for the generation of power. The Nevada Irrigation District and Pacific Gas and Electric Company's South Yuba and Bear Rivers Power System are located in the Yuba-Bear Rivers Hydrographic Unit and are reported in detail in Bulletin No. 94-3, "Land and Water Use in the Yuba-Bear Rivers Hydrographic Unit," Volume 1, September 1963.

Following are discussions of the diversion facilities within the South Yuba and Bear Rivers Power System that are pertinent to the American River Hydrographic Unit:

<u>Drum Canal (D16N/l1E-16L1)</u>. The Drum Canal was constructed in 1912-13 at the same time that Drum Powerhouse and Spaulding Dam were built. The construction was part of Pacific Gas and Electric Company's expansion to meet new

demands for power service. Releases from Lake Spaulding go through Spaulding Powerhouse No. 1 to the Drum Canal. The canal has a length of 8.5 miles to the Drum Powerhouse which is located on the Bear River.

In addition to the releases from Lake Spaulding, water is exported from the American River Hydrographic Unit to the Drum Canal via Lake Valley Canal near Emigrant Gap. Lake Valley Canal diverts from the North Fork of North Fork American River at D17N/12E-33Bl. Although all the flows in the Drum Canal pass through the American River Hydrographic Unit, only that portion released from the Drum Forebay to Canyon Creek for rediversion in the Boardman Canal System is reported as an import. The major portion of the canal flow is released to the Bear River via the Drum Powerhouse.

Lake Valley Canal (D17N/12E-33B1). Lake Valley Canal diverts from the North Fork of North Fork American River to supplement the Drum Canal in the Yuba-Bear Rivers Hydrographic Unit. Flows in the canal are exported from the American River Hydrographic Unit in the vicinity of Emigrant Gap at D17N/12E-30R1. Winter flow in the North Fork of North Fork American River is stored and regulated upstream by Kelly Lake (D17N/12E-25F1) and Lake Valley Reservoir (D17N/12E-35C1). These reservoirs have a combined capacity of about 8,500 acrefeet. Releases made from late spring to early fall constitute most of the water diverted by Lake Valley Canal during this period.

South Canal (D12N/8E-32P1). The South Canal is the last segment of Bear River Canal System of Pacific Gas and

Electric Company Power Supply System in the Bear River drainage area. The Bear River Canal System diverts from the Bear River near Chicago Park (D15N/9E-22Q1) in the Yuba-Bear Rivers Hydrographic Unit. It is known as the Bear River Canal through its course to Halsey Forebay. From the tailrace of Halsey Powerhouse through Rock Creek Reservoir and subsequently through Wise Powerhouse located below Auburn, it is known as the Wise Canal. From the Wise Powerhouse tailrace to its spill into Mormon Ravine in the American River Basin, it is known as the South Canal. The principal source of water for this system, in addition to the natural flow of Bear River, are waters released from Lake Spaulding via the South Yuba Canal bypassing the Boardman Canal intake and the power releases from Drum Powerhouse.

South Canal was constructed in 1919 to convey water from Wise Powerhouse to the American River Basin. This is the only water imported to the unit by the Bear River Canal System. Enroute an interchange of water is effected between South Canal and Boardman Canal. Below Wise Powerhouse the South Canal supplies several laterals of the Boardman Canal, the last one being Lower Greeley Canal which services Monte Rio Pipe (D11N/8E-5B1).

South Canal extends into the American River Hydrographic Unit approximately 0.9 mile before it spills into Mormon Ravine. Enroute it picks up tail waters of Gaylord, Shirland, and Shirland Stub Canals, all laterals of the Boardman Canal.

The Placer Water System provides municipal, industrial, and irrigation water to most of the area along the divide between the American and Bear Rivers. The principal area served is along Interstate Highway 80 from Baxter to Roseville. One powerhouse, Alta, is included in the system and operated in conjunction with Pacific Gas and Electric Company's Power System. Placer Water System and South Canal provide all of the water imported into this portion of the American River Hydrographic Unit. Laterals of the system that enter the unit are classed as imports and the location numbers are shown in the tables and on Plate 2. The Placer Water System is described in detail in Bulletin No. 94-3, "Land and Water Use in Yuba-Bear Rivers Hydrographic Unit," Volume 1, September 1963.

Following are discussions of the diversion facilities within the Placer Water System pertinent to the American River Hydrographic Unit:

Boardman Canal (D16N/11E-16M1). Boardman Canal is the main stem of the Placer Water System. Water is first diverted from the Bear River about 1 mile below State Highway 20 at D17N/11E-36D1 in the Yuba-Bear Rivers Hydrographic Unit, and conveyed via the Upper Boardman Canal to Canyon Creek in the American River Watershed. The Boardman Tunnel conveys the flow into the unit at D16N/11E-16M1 immediately below the Drum Forebay. Although the Boardman Canal intake heads on the Bear River, the primary source of water is flow released from Lake Spaulding through Spaulding Powerhouse No. 2 and conveyed

by the South Yuba Canal to the Bear River where it is spilled to the stream channel.

channel for rediversion in the Towle Canal (D16N/11E-21E1), which conveys it to Alta Powerhouse. In the Towle Canal, flows are exported out of the unit at D16N/11E-31C1, approximately one-half mile above the Alta Powerhouse and Forebay. From the powerhouse to Lake Alta the canal is known as the Lower Boardman Canal. From Lake Alta to Monte Vista the conduit is known as the Cedar Creek Canal. From Monte Vista to the area south of Auburn the canal generally parallels the unit boundary meandering back and forth across it at several points. From Monte Vista to its terminus at the Roseville Regulator it is known as the Boardman Canal. The canal system is 73.7 miles in length from the intake on the Bear River to the terminus near Roseville, exclusive of laterals.

Most of the water deliveries from the Boardman Canal are made in the Auburn-Rocklin area. The principal laterals are Shirland, Greeley, Red Ravine, and Caperton Canals.

The Boardman Canal receives additional water at several points. In the upper reaches of the canal some minor recharge is obtained from Pitman Ravine (D16N/11E-9J1) above the Drum Forebay and from the Little Bear River at the Alta Powerhouse (D16N/10E-25P1), both tributaries of the Bear River. The Towle Canal rediversion from Canyon Creek includes releases to Canyon Creek made from Drum Forebay. Canyon Creek runoff below Towle Canal rediversion point is diverted by Pulp Mill Canal (D16N/10E-36Q1) to Lake Alta, thence to the

Boardman Canal. In the lower reaches, other inflow to the Boardman Canal is affected by Ragsdale Tunnel Canal, Fiddler Green-Boardman Diversion Canal, and South Canal, all units of the South Yuba and Bear Rivers Power System.

Towle Canal (D16N/11E-21E1). The Towle Canal conveys water from Canyon Creek to the Alta Forebay, leaving the unit as an export at location D16N/11E-31C1. The supply for the canal is derived from three sources: flow of the Upper Boardman Canal that is routed through Boardman Tunnel and spilled via an unnamed ravine into Canyon Creek, releases from the Drum Forebay, and natural flow of the creek. Before leaving the unit, a small portion of the flow is diverted to Crystal Springs Pipeline to supply an undetermined number of domestic users in the vicinity of Baxter.

Pulp Mill Canal (D16N/10E-36Q1). Flow in Canyon Creek not diverted by the Towle Canal can be diverted by Pulp Mill Canal directly to Lake Alta, leaving the unit as an export at D16N/10E-35J1. Thus flow from the Upper Boardman Canal and releases from the Drum Forebay may bypass Alta Powerhouse and be routed via Pulp Mill Canal directly to Lake Alta. Lake Alta regulates flows from Pulp Mill Canal and Lower Boardman Canal before releasing to Cedar Creek Canal.

Colfax Pipeline (D15N/9E-27R1). The Colfax Pipeline imports from the Boardman Canal to provide municipal service to the City of Colfax and domestic service to the urban area near Colfax. A small part of this service is outside the hydrographic unit. There are 403 connections served by this

lateral, with 390 reported as municipal and domestic uses and the remaining 13 as miscellaneous uses.

Shirland Canal (D12N/8E-15P1). Shirland Canal imports from the Boardman Canal just inside the city limits of Auburn to supply irrigation and domestic uses in the Shirland Tract, an area about two miles south of the city. The Shirland Stub, an extension of Shirland Canal, conveys excess water to Mormon Ravine. This excess water unites with tail water from South Canal and spills to Folsom Lake.

Gaylord Canal (D12N/8E-20Q1). Gaylord Canal imports from the Boardman Canal to supply irrigation and domestic uses in the western portion of the Shirland Tract not supplied by Shirland Canal. Tail water from this canal is received by South Canal and subsequently spilled via Mormon Ravine to Folsom Lake.

Monte Rio Pipe (DllN/8E-5Bl). Monte Rio Pipe, a branch lateral of Greeley Canal which is a direct lateral of the Boardman Canal, imports to the hydrographic unit just below South Canal. Since Greeley Canal and South Canal are interconnected at their crossing, this imported supply can originate from either the Boardman Canal or the South Yuba and Bear Rivers Power System.

South Fork American River System

Principal water development in the American River Basin is largely confined to the South Fork American River Watershed. Significant storage is impounded in Silver Lake and Twin Lakes Reservoirs, both tributary to Silver Fork

American River, and in Medley Lakes Reservoir (Lake Aloha) on Pyramid Creek, a tributary of the South Fork American River. Water from the Upper Truckee River Watershed is imported from Echo Lake for use in the American River System. These reservoirs are operated by Pacific Gas and Electric Company mainly for power purposes. Releases made down the South Fork American River are diverted to the El Dorado Forebay via the El Dorado Ditch. From the forebay releases are made to El Dorado Irrigation District, previously described, and to the El Dorado Powerhouse which discharges back to the river channel. Downstream, flow is diverted to the American River Flume which conveys the water to American River Powerhouse where it is again returned to the stream.

Following are discussions of the diversion facilities and pertinent features of the South Fork American River area:

El Dorado Ditch (DllN/15E-24R1). Water regulated by upstream storage together with the natural runoff of the South Fork and Silver Fork, is diverted at a point just below their confluence by the El Dorado Ditch. The El Dorado Ditch extends along the south canyon wall for a distance of about 25 miles to the El Dorado Forebay, a 400 acre-foot regulating reservoir. Additional water is diverted into the El Dorado Ditch below its intake. This supplemental diversion is from Alder Creek (DllN/14E-36M1) through an 18-inch pipeline which discharges into the ditch at a point about 3 miles below its intake. At the El Dorado Forebay some releases are made to the El Dorado Irrigation District's Main Canal for urban and agricultural use,

but most of the water flows through a penstock to the El Dorado Powerhouse located on the south bank of the South Fork American River.

The El Dorado Powerhouse was constructed by the Western States Gas and Electric Company in the early 1920's to utilize the head available between the El Dorado Ditch and the South Fork American River. The present generating capacity of the powerplant is 21,000 kilowatts.

American River Flume (DllN/12E-19N1). About 5 miles below the El Dorado Powerhouse flow is diverted from the South Fork American River into the American River Flume by a diversion dam constructed by the American River Electric Company in 1903. The flume extends westerly along the north canyon wall 7.3 miles to the American River Powerhouse.

The American River Powerhouse, with a maximum operating head of 120 feet, was also constructed by the American River Electric Company in 1903. The present generating capacity is 6,500 kilowatts.

Upstream Reservoirs Releasing to South Fork. Pacific Gas and Electric Company operates a number of reservoirs located in the South Fork American River upstream area to store winter runoff for release during the low flow season. These are: Echo Lake, Medley Lakes, Silver Lake, and Twin Lakes, all constructed by predecessors of the company; Ropi Lake, Toem Lake, Lake of the Woods, and Winnemucca Lake, all constructed in conjunction with the United States Forest Service.

Echo Lake (D11N/18E-6M1), with a capacity of 1,900 acre-feet, is located in the Truckee River Basin which bounds this unit on the east. Flows are imported into the unit via an earth ditch and tunnel before spilling to the South Fork American River. The average annual amount imported during the 31 year period of record is 1,501 acrefeet.

Medley Lakes (Dl2N/17E-30Gl), with a capacity of 5,350 acre-feet, in conjunction with Ropi Lake (Dl2N/17E-32Pl), Toem Lake (Dl2N/17E-32Nl), and Lake of the Woods (Dl2N/17E-32Hl), which have a combined total capacity of about 200 acre-feet, release to Pyramid Creek, a tributary of the South Fork American River.

Silver Lake (D10N/17E-32Q1), located on the Silver Fork American River, with a capacity of 11,800 acre-feet, regulates runoff for release to the South Fork American River.

Winnemucca Lake (DlON/18E-34E1), with a capacity of 225 acre-feet, is located upstream from Twin Lakes where it regulates runoff before releasing to Caples Creek.

Twin Lakes (D10N/18E-18N1), with a capacity of 21,581 acre-feet, stores and reregulates releases to Caples Creek, a tributary of the Silver Fork American River.

All of these lakes are operated by Pacific Gas and Electric Company in conjunction with the United States Forest Service and the California State Department of Fish and Game for streamflow maintenance and power generation.

APPENDIX E

PRESENT DEVELOPMENT OF PROJECTS
UNDER CONSTRUCTION BY OTHER AGENCIES

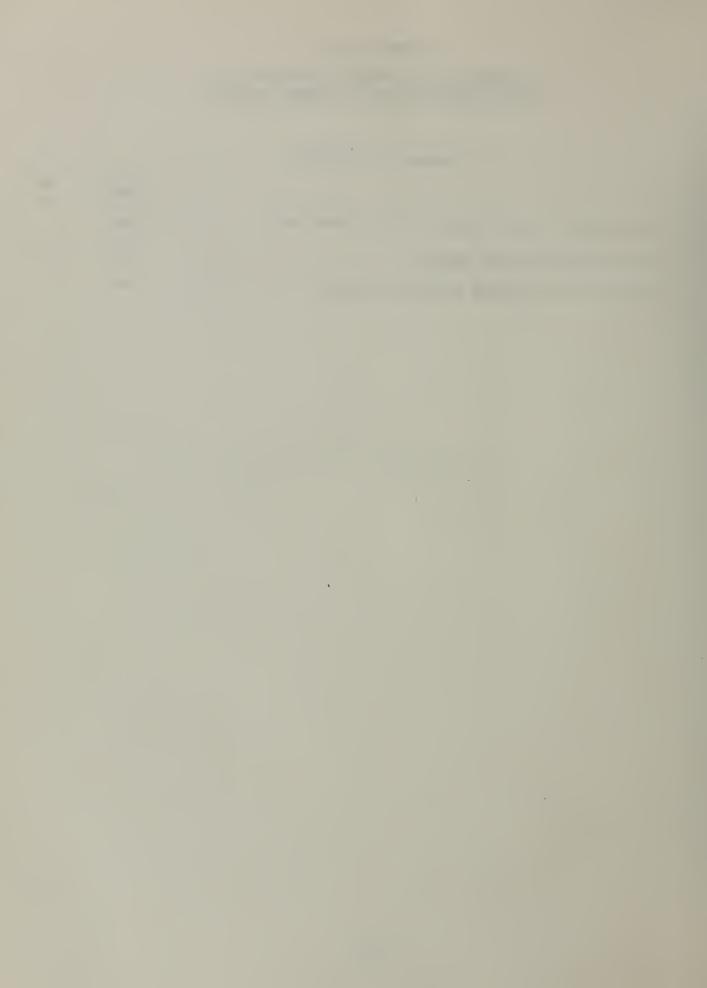


APPENDIX E

PRESENT DEVELOPMENT OF PROJECTS UNDER CONSTRUCTION BY OTHER AGENCIES

TABLE OF CONTENTS

	Page
Georgetown Divide Public Utility District	E-5
Placer County Water Agency	E-7
Sacramento Municipal Utility District	E-8



APPENDIX E

PRESENT DEVELOPMENT OF PROJECTS UNDER CONSTRUCTION BY OTHER AGENCIES

This appendix presents information on the present development of projects under construction by other agencies which could not be adequately described in Chapter I, "Local Agencies Concerned with Water Development." Only those projects in the advanced planning stage or presently under construction, but not completed at the time of the field survey for this report, are described in this appendix.

Georgetown Divide Public Utility District

The Georgetown Divide Public Utility District was organized in 1946 under the Public Utility District Act to provide for progressive development of an adequate water supply for the growing needs of the Georgetown Divide area. In 1952 the district purchased from the Georgetown Water Company the existing water system including Loon Lake in the Upper Rubicon River Basin. Those features utilized at the time of the field survey for this report are described in Appendix D.

In 1957 the district entered into an agreement with the Sacramento Municipal Utility District providing for annual payments for the purchase of the district's right to water in the Upper Rubicon River Basin. The waters secured by these rights will be used for power generation by Sacramento Municipal Utility District in their Upper American River Project.

From the funds received by the Georgetown Divide Public Utility District, storage facilities on Pilot Creek are to be constructed as a substitute supply for Upper Rubicon River waters.

As outlined in a feasibility report prepared by the district in 1958, Stumpy Meadows Reservoir would provide necessary storage facilities on Pilot Creek. Conveyance would be accomplished via a new section of conduit, the El Dorado Ditch. This ditch would divert from Pilot Creek along the south bank about one-half mile below the dam and connect with the existing Georgetown Divide Ditch at a point about 1.5 miles below its former intake.

Construction of Stumpy Meadows Project was started in 1960 and completed in January 1962. Upon completion of the project, those facilities above the reservoir and in the Rubicon Basin were abandoned and all rights to water in the Rubicon Basin officially turned over to the Sacramento Municipal Utility District.

The general plan of development includes future improvement of the Georgetown Divide Ditch from the junction with the new conduit to the Georgetown area, and improvement of the distribution system below Georgetown. As outlined in the district's 1958 feasibility report, Onion Creek Diversion is also considered a part of the Pilot Creek works. This diversion, to be located on a tributary of Silver Creek, will divert a portion of the flow in Onion Creek to storage in Stumpy Meadows Reservoir. This feature is scheduled for construction in the near future.

Placer County Water Agency

The Placer County Water Agency, created by the California State Legislature in 1957, commissioned McCreary-Koretsky-Engineers, to study possible water development on the Middle Fork American River. Findings from this study resulted in the Middle Fork American River Project on which construction was initiated early in 1963.

The initial phase of the project is the "French Meadows Complex." This includes French Meadows Dam and Reservoir, started early in 1963; Duncan Creek Diversion Dam; and the connecting diversion tunnel from Duncan Creek to French Meadows. This phase of the project is expected to be completed in late 1964.

The second phase, the "Hell Hole Complex," includes French Meadows Tunnel, Hell Hole Dam and Reservoir, North Fork and South Fork Long Canyon Diversion Dams, and the diversion tunnel from Hell Hole Reservoir to Middle Fork American River. This second phase is scheduled for completion in November 1965.

The third phase entitled "Power Facilities" includes all elements of the project necessary to make the whole of the project fully operable and is scheduled for completion on or prior to September 1966. This phase includes Interbay Diversion Dam, Ralston Tunnel, Ralston Afterbay, and four powerplants complete with penstocks.

The farthest upstream powerplant is French Meadows

Powerhouse, situated on the north edge of Hell Hole Reservoir.

Water to this plant is supplied from French Meadows Reservoir

via French Meadows Tunnel and discharges into Hell Hole
Reservoir. Middle Fork Powerhouse, the next plant downstream,
receives the diverted flow from Hell Hole Reservoir and Long
Canyon Diversion Dams before discharging to Interbay Diversion
Dam. Water at Interbay Diversion Dam is diverted to Ralston
Powerhouse, located just above Ralston Afterbay. From
Ralston Afterbay water is released through Oxbow Powerhouse
to the Middle Fork American River.

Another feature of this project is Auburn Pumping Plant, located downstream near the City of Auburn. This plant will divert from the American River through the Auburn Tunnel to meet water demands in the western part of Placer County.

Sacramento Municipal Utility District

Organized in 1923, the Sacramento Municipal Utility
District began electric distribution operations in the
Sacramento County area on December 31, 1946. Initially the
district purchased its power requirements from Pacific Gas and
Electric Company, later purchasing power from the United States
Bureau of Reclamation, Central Valley Project.

At the present time, the Sacramento Municipal Utility District is completing an extensive hydroelectric project in the American River Hydrographic Unit which will supply part of its power requirements. The project area is that portion of the Upper American River Watershed situated on the Rubicon River, Silver Creek, and South Fork American River below Silver Creek. The project consists of three powerplants,

10 dams and reservoirs, tunnels, conduits, roads, and a remote control system operating semiautomatically from Sacramento. The powerplants have a design capacity of 238,000 kilowatts and the reservoirs will provide about 420,000 acre-feet of gross storage.

Union Valley Powerhouse and Union Valley Reservoir are located on Silver Creek. The reservoir is supplied by the natural runoff of Silver Creek supplemented by the diversion from tributaries of the Rubicon River. Runoff from this diversion is collected, stored, and diverted in order by: Rubicon Dam and Diversion Tunnel; Buck Island Dam and Diversion Tunnel; Loon Lake Dam, Gerle Creek Dam and Diversion Canal; and Robbs Peak Dam and Diversion Tunnel.

Ice House Reservoir, one of the first features of the project to be completed, stores runoff from the upper reaches of the South Fork of Silver Creek. Water from this reservoir, plus natural runoff below the dam and water discharged from Union Valley Powerhouse, flow into Junction Reservoir. Junction Reservoir, located on Silver Creek just below its confluence with South Fork Silver Creek, reregulates this water which is then diverted via tunnel to the Jaybird Powerhouse. Discharge from this plant is reregulated by the Camino Reservoir, then diverted via tunnel to the Camino Powerhouse.

Additional features proposed for future construction below Union Valley Reservoir include a 72,000 kilowatt generating unit to be added to Camino Powerhouse. Expansion of this plant's facilities will include development of diversion

facilities on Brush Creek and a tunnel to the present Camino Tunnel. Below Camino Powerhouse on the South Fork American River, water will be further regulated by construction of Slab Creek Reservoir. Releases will be diverted via tunnel through White Rock Powerhouse, then reregulated in Chili Bar Reservoir, now under construction, and released through Chili Bar Powerhouse to the stream channel below.

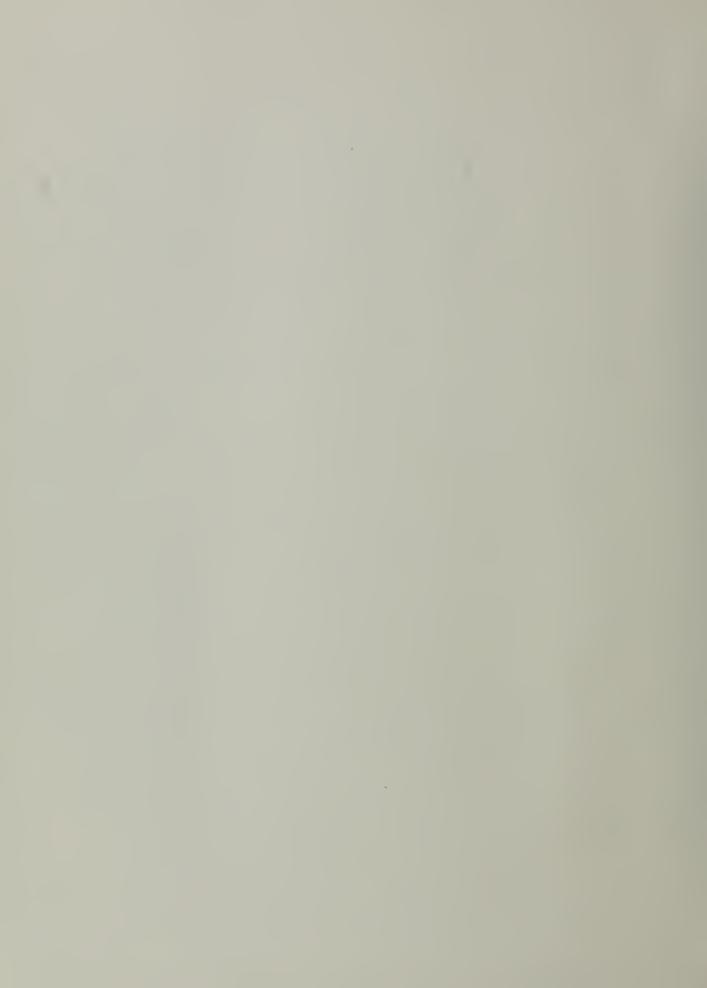
Above Union Valley Reservoir in the Rubicon River drainage, four powerplants and three tunnels are additional proposed features. A tunnel from Loon Lake Reservoir would divert to Loon Lake Powerhouse No. 1, situated on the South Fork Rubicon River. Discharges from this plant are to be conveyed through another tunnel to Loon Lake Powerhouse No. 2, which will be located adjacent to the Gerle Creek Diversion Canal. Flows from this plant will discharge to the diversion canal. Robbs Peak Powerhouse, located at the end of Robbs Peak Diversion Tunnel, will discharge to Union Valley Reservoir, thereby utilizing all the inflow from the Rubicon River Watershed for power purposes.

Also above Union Valley Reservoir but on the South Fork Silver Creek, a proposed tunnel will divert flow from Ice House Reservoir to the proposed Jones Fork Powerhouse, located at the southeast end of Union Valley Reservoir.











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